TEXTILE BULLETIN

VOLUME XXII

CHARLOTTE, N. C., THURSDAY, SEPTEMBER 22, 1921

NUMBER 4

Hosier

Hosiery Shippers: For Strength Use Fibre

Use this Case to Save on Freight

Its light weight makes it more economical than wooden boxes—and it enables you to cut down substantially on freight costs.

Get a Line on Prices

Ask for quotations and complete information on Andrews Solid Fibre Containers and judge for yourself their many advantages. A letter to us today will pay you big temorrow. Write!

Fibre is stronger and safer than wood, is cheaper in first cost and costs less to ship. Fibre, too, is just as easy a case to pack.

And with no danger of injury to the hands, fibre cases are more quickly handled than wood. That means faster shipments.

Andrews Solid Fibre Containers

Made of high grade, shock-resisting material that seals tight and stays tight. Their smooth, even surface makes hooks unnecessary and insures careful handling all along the line. Damage, losses en route and resulting claims are reduced to the barest minimum. Accurately scored and slotted—always true in shape and dimensions.

Andrews Cases are not only good cases—they possess real advertising value. The Andrews staff of skilled designers and printers, with a modern and completely equipped printshop at their elbows, produce results of a highly distinctive character. Your trade-mark or any other desired matter can be reproduced exactly as you designate.

O. B. ANDREWS CO.,

Box 303 T Chattanooga, Tenn.

The only concern in the world manufacturing every kind and style of wooden, wirebound, corrugated fibre, solid fibre and pasteboard cartons and containers, and owning its own paper mills & sawmills.

Division Sales Offices in the Principal Cities of the United States

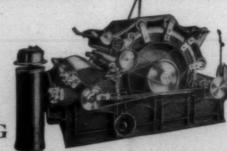




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CARDING
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SPOOLING



WARPING SLASHING TWISTING WINDING

SACO-LOWELL CARD STRIPPER
Waste Reclaiming Machinery

SHOPS AT

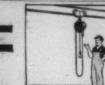
Biddeford, Me. Lowell, Mass. Newton Upper Falls, Mass. Pawtucket Spinning Ring Co., Central Falls, R. I. Executive Offices: 77 Franklin Street, BOSTON, Mass.

Rogers W. Davis, Southern Agent CHARLOTTE, N. C.

Branch of the Southern Office GREENVILLE, S. C.



Five Men and a Hand-Truck



One Man and a Yale Spur-Geared Chain Block



AND the one man with the Yale equipment will perform the same work in the Safest Way, take up less working space, and do it quicker.

The Yale Spur-Geared Block is the *safest*, speediest, portable hand hoist.

"From Hook-to-Hook-a-Line-of-Steel"

The new Yale catalog shows you many ways to save money and increase production in your plant by using Yale Chain Blocks and Electric Hoists.

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Textile Mill Supply Co.



Textile Mill Supply Co.

INCORPORATED 1898

CHARLOTTE, N. C.

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The "Hercules Electric" Hydro Extractor is designed, manufactured and backed by a large concern whose engineers know safe centrifugal machine design and who do not sacrifice quality, consequently safety, to price.

East Jersey Pipe Co., Paterson, N. J.



Only Hercules Extractors have Motors mounted on Tilting Bracket to Facilitate Removing Basket and Bearings

EAST JERSEY PIPE CO. PATERSON N.J. GILLES PIE MOTOR CO.

We Thank You

The close of business, August 31, 1921, rounded out our first year as AT-LANTA BRUSH COMPANY, successors to D. D. Felton Brush Co.

It is our desire at this time to thank the Textile and other Industries for their unstinted support and patronage, assuring them that it was highly appreciated, and we trust that the service which we rendered will warrant a continuance of the same in the future.

During the past year all lines of endeavor have suffered its share of loss, due to the re-adjustment of business conditions.

We took ours gracefully and pleasantly, reducing our prices to a minimum, consistent with the maintenance of quality, feeling that if we did our part soon normal and prosperous times would be with us.

That we were right in our surmise, is borne out by present changing conditions.

Everywhere there is an underlying spirit of optimism. The wholesaler, the jobber and the retailer are resuming purchases for the replenishment of their stocks. Bankers are showing courage and confidence by co-operating with the farmers, the merchants and the manufacturers.

THERE IS A NEW SPIRIT EVERYWHERE.

In the past Textile and other Industries have made their BRUSH purchases in small quantities and requested prompt and immediate shipment, which request we have been most careful to comply with.

Conditions are now changing. New business is developing rapidly. "GOOD TIMES" have come again to the South.

THE WISE MILL OWNER WILL PLACE HIS ORDERS FOR BRUSHES AND REPAIR WORK AT THE EARLIEST POSSIBLE MOMENT, IN ORDER THAT HE MAY RECEIVE PROMPT AND EFFICIENT SERVICE, AS BUSINESS IS FAST APPROACHING NORMAL.

WE MAKE BRUSHES FOR EVERY PURPOSE. OUR CATALOG TELLS THE STORY. WANT ONE?

Atlanta Brush Company

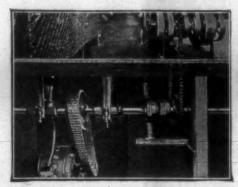
Successors to D. D. Felton Brush Company

Central and Trinity Aves.

ATLANTA, GA.



Some Applications To Textile Machinery



Motor and Line Shaft Beneath Floor. Drive

INCREASED PRODUCTION

Better Manufactured Product

> Better Working Conditions



.Changing Over to Chain Drive



Individual Motor Drive to Knitting Machine

A

Morse Chain

for Every Drive

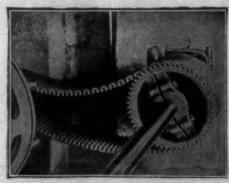
Service and Results are Remembered Long After the Price is Forgotten.



Drive from Motor to Full Fashion Hosiery Machines

The Cost of Application is not Excessive

The Return on the Investment is a Large one.



Typical Line Shaft Drive

Let us have your problem. You will be in no way obligated. BENEFIT BY MORSE SERVICE AS OTHERS DO

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Wood

Line of Power Transmission Machinery



SHAFTING COUPLINGS SET COLLARS : HANGERS : FRICTION : : CLUTCHES



BASE PLATES
FLOOR STANDS
PILLOW BLOCKS
WALL BRACKETS
ROPE SHEAVES
BELT
TIGHTENERS

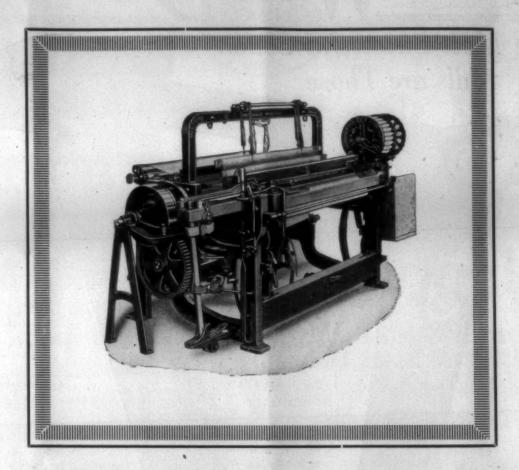
MILTON G. SMITH, Southern Sales Agent, GREENVILLE, S. C.

T. B. Wood's Sons Co. CHAMBERSBURG, PA.



POWER TRANSMITTING MACHINERY





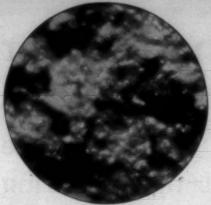
The Nordray Loom is Different:

Note How Few Parts Accomplish all Functions.

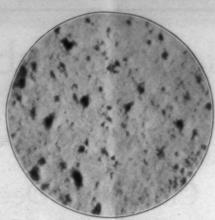
Built by

Hopedale Manufacturing Co. at Milford, Mass.

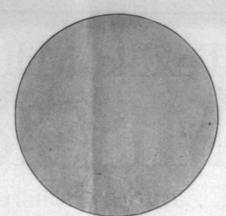
Southern Office: Greenville, S. C.



Surface painted with flat finish paint



Surface painted with



Surface painted with Barreled

Photo-micrographs of three paint surfaces

Sandpaper or tile— which surface for your factory walls?

The microscope's warning to buyers of interior white paint

Barreled Sunlight Flat or egg-shell finish paint

Try this test yourself

Rub your finger over the smooth lustrous surface of Barreled Sunlight. It will not leave a mark. Then note the smudge your finger leaves on the porous surface of flat or egg-shell finish paint.

THE illustrations above are reproduced from actual photo-micrographs made on the same scale, and showing the three paint surfaces highly magnified.

The first two show surfaces painted with high-grade flat and egg-shell finish paints. The rough, irregular appearance which you can see, shows why dull-finish paints collect dust and dirt.

This makes it easy to understand why it is impossible to wash the walls properly. All the sponge and water can do is to smudge the dirt still deeper into the thousands of little pores in every square inch.

The third illustration shows a photomicrograph of a similar surface, but the coating is Barreled Sunlight—the Rice Process Mill White—a pure white, lustrous oil paint. The smooth, unbroken surface is highly resistant to all forms of dust and dirt. It gives the maximum reflecting power, since there are no crevices to make shadows and absorb the light.

Our exclusive process produces a lustrous paint which is guaranteed to remain white

longer than any other—which withstands the shock and jar of the heaviest machinery, and when soiled after years of service may be washed clean, like tile.

Barreled Sunlight is used today in thousands of plants as coating for ceilings and

Flows easily from the brush. Won't clog a spray, as it contains no varnish. Sold in barrels, also in cans.

Send today for free panels so that you can make the test described at the left—also our booklet, "More Light."

For Shop and Home, too

Barreled Sunlight is also used in countless institutions, stores, garages, small buildings, and in rooms in the home—wherever a white, washable finish is desirable. It is much cheaper than enamel and easier to apply. Sold in five-gallons, gallons, half-gallons, quarts, pints and half-pints.

U. S. GUTTA PERCHA PAINT CO.
20 Dudley St. Providence, R. I.

WAREHOUSE STOCK CARRIED IN GREENVILLE

Barreled



Sunlight

EZELL-PRITCHARD CO., Distributors, Charlotte, N. C.

Textile Mill Floors Scrubbing Powder

Mi Cleanser-- The Perfected Non - Soluble

Cleaning, Polishing Cleansor, Deodorizing, Scouring and Scrubbing Powder "SIX IN ONE"

Manufactured Expressly for Textile Mill Floors-Good as the best, then some.

Mi-Cleanser is Non-Soluble—it Cleans Only by Mechanical Action

Just a few of the most Regular users of MI-CLEANSER:

Wiscassett Mills Company	Albemarle, N.C.
Taliassee Mills Salisbury Cotton Mills Magnolia Cotton Mills Hannah Pickett Mills	Tallassee, Ala.
Salisbury Cotton Mills	Salisbury, N. C.
Magnolia Cotton Mills	Magnolia, Miss.
Hannah Pickett Mills	Rockingham, N. C.
Woodrull Cotton Mills	w bouruit, a. C.
Orr Cotton Mills	Anderson, S. C.
Augusta Factory	Augusta, Ga.
Jackson Mills.	Iva, S. C.
Covington Mills	Covington, Ga.
Equinox Mills	Anderson, S. C.
Brown Manufacturing Company	Concord, N. C.
Standard Knitting Mills	Charmille S C
F. W. Poe Manufacturing Company	Greenville, S. C.
Aregon Cotton Mills	Pools Hill S C
Ruck Creek Cotton Mills	Siluria Ala
Orr Cotton Mills Augusta Factory Jackson Mills Covington Mills Equinox Mills Brown Manufacturing Company Standard Knitting Mills F. W. Poe Manufacturing Company Clinchfield Manufacturing Company Aragon Cotton Mills Buck Creek Cotton Mills Bloomfield Manufacturing Company Broad River Mills Baldwin Cotton Mills	Statesville N. C.
Broad River Mills	Blacksburg S C
Baldwin Cotton Mills	Chester, S. C.
Brandon Mills	Greenville, S. C.
Cabarrus Cotton Mills	_Kannapolis, N. C.
Baldwin Cotton Mills Brandon Mills Cabarrus Cotton Mills Consolidated Textile Corporatoin	Lynchburg, Va.
Cannon Manufacturing Company	YOFK S. U.
Dunean Mills	Greenville, S. C.
Dunean Mills Efird Manufacturing Company Fort Mill Manufacturing Company	Albemarle, N. C.
Fort Mill Manufacturing Company	Fort Mill, S. C.
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Glenwood Cotton Mills Griffin Manufacturing Company Kershaw Cotton Mills	Griffin, Ga.
Kershaw Cotton Mills	Kershaw, S. C.
Marlboro Cotton Mills	McColl, S. C.
Monarch Mills	Lockhart, S. C.
Marion Manufacturing Company	Marion, N. C.
Mariboro Cotton Mills Monarch Mills Monarch Mills Marion Manufacturing Company Norris Cotton Mills	Cateechee, S. C.
Oakland Cotton Mills	Newberry, D. C.
Polyan Manufacturing Company	Polyer S C
Paole Cotton Mills	Statesville N C
Savon Mills	Spartanhurg S C
Avondale Mills	Birmingham Ala
Adrian Manufacturing Company	Mount Holly, N. C.
Asheville Cotton Mills	Asheville, N. C.
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Crystal Springs Bleachery Co	Chickamauga, Ga.
Cherokee Spinning Company Columbus Manufacturing Company Coosa Manufacturing Company Eva Jane Mills Echota Cotton Mills Grendel Mills Glenn-Lowry Manufacturing Co. Harmony Grove Mills Merrimack Manufacturing Company Minneola Manufacturing Company Newnan Cotton Mills	Knoxville, Tenn.
Columbus Manufacturing Company_	Columbus, Ga.
Coosa Manufacturing Company	Piedmont, Ala.
Eva Jane Mills	Sylacauga, Ala.
Genetal Wills	Crospmond G G
Glann Lawry Manufacturing Co	- Greenwood, S. C.
Harmony Grove Mills	Commanda Ca
Marrimack Manufacturing Company	Hunteville Ale
Minneola Manufacturing Company	Gibsonville N C
Newnan Cotton Mills	Newnan Ga
Newnan Cotton Mills Sibley Manufacturing Company Spray Cotton Mills Thatcher Spinning Company	Augusta Ga
Spray Cotton Mills	Spray, N. C.
Thatcher Spinning Company	Chattanooga, Tenn.
Tucapau Mills	Tucapau, S. C.
Unity Cotton Mills	LaGrange, Ga.
Winnsboro Mills	Winnsboro, S. C.
Wateree Mills	Camden, S. C.
Tucapau Mills Unity Cotton Mills Winnsboro Mills Wateree Mills Brazos Valley Cotton Mills Consolidated Textile Corporation	West, Texas
Consolidated Textile Corporation	Shelby, N. C.

And scores of others, but this space won't admit of their names.



Trade Mark Reg. U.S. Pat. Off.

"Cleanliness is Next To Godliness"

Clean your floors twice each week for your healths' sake. MiCleanser makes them sanitary and healthful.



CHARLIE NICHOLS

HOWDY!
"One Barrel?" Thanks!

So far this year, we have made our 1920 business ashamed of itself. WHY? The merits of MI CLEANSER is there with the GOODS.

Get Right, Start Right, Stay Right. You are Right when you use MI CLEANSTR Right.

What more convincing evidence of MI CLEANSER Superiority could be desired than the fact that the Best and Most Prominent Mills have chosen and adopted MI CLEANSER as the SCRUBBING POWDER which gives them the very best results?

We tell the world that the Merits of MI CLEAN-SER has got this country.

When a better SCRUBBING POWDER is produced, the Merits Perfected, will be in MI CLEAN-

If MI CLEANSER pleases you, tell your friends; if not, tell us, and we will tell you what's the trouble.

The end of a perfect day is when you have cleaned with MI CLEANSER.

In fact, MI CLEANSER will clean everything in your mill that needs cleaning except its reputation, and it is guaranteed not to hurt that.

Remember, satisfaction guaranteed or no charge. Therefore you are not buying a pig in a poke. Fair enough.

DON'T WAIT for our traveling salesmen—we have none. You are saved this annoyance, expense, loss of time, etc., but you reap the benefit in price when you buy MI CLEANSER.

Your Mill Supply House will furnish you MI CLEANSER, or order direct from our factory.

Made in America, and in "The Sunny South"

Established 1915

Manufactured only by

CHAMPION CHEMICAL CO.

Box 22, Glenrock Station

ASHEVILLE, N. C., U. S. A.



THE FIBRE MILL EQUIPMENT THAT LASTS

Not How Cheap-but how Lasting

THERE are cheaper kinds of mill equipment than Leatheroid, of course. But cheaper in first cost only—not economical in the end.

It isn't how much you pay for a roving can, box or car that counts—it's how often you pay for them.

Leatheroid Fibre Mill Equipment has made a reputation for itself on good service and good appearance—cleanness and smoothness—light weight and great strength.

Try a few Leatheroid cans, cars or boxes in your mill. Notice how everybody likes them, and the remarkable service they give.

Sold by Leading Southern Mill Supply Houses.

ROGERS FIBRE COMPANY

Leatheroid Sales Division - 1024 Filbert Street, Philadelphia

New York - Boston - Kennebunk, Me.



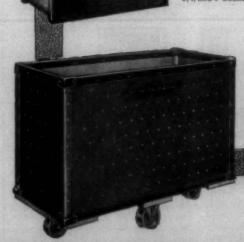
Leatheroid Factory Barrel, Light durable. Steel top and bottom rims, 4-inch kicking band. Regular size 20x30. Other sizes 16x26,18x28, 24x35, 24x40.

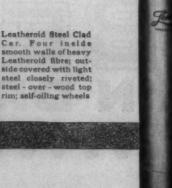
Leatheroid Mill Box. The standard box for mills and factories. Unusually strong; careful construction throughout; steel-over-wood top rim, protecting corner angles; made in 1, 2, 3, 4, and 5 bushel sises.

Leatheroid Roving Can. Smooth as glass — tough as horn; no seams to open up; rolled over top. Combination Doffing Car. Has, Fixed and Loose Box; all fibre boxes or steel and fibre boxes. Extra steel re-enforcing at all wear points; platform has 1/6" steel frame; self-ciling wheels.

Leatheroid Warehous,
Car. Made of heavy
fibre with steel overwood top rim. Patented
ribbed steel bottom
band — the only construction in which the
body of the car is actually riveted to the wood
bottom at the four corners; self-oiling wheel-

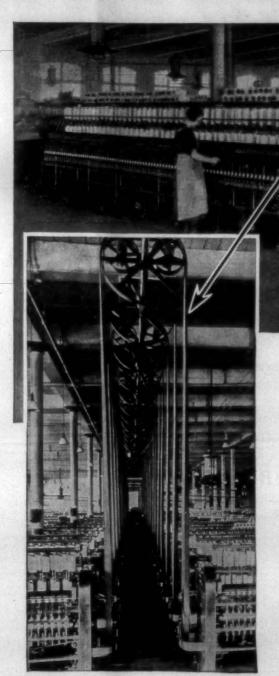








Which Drive Do You Use?



Efficient Silent Chain or old-fashioned Flat Belts?

THE elimination of belting, shafting, hangers, etc., made possible by the use of Link-Belt Silent Chain Drives, greatly improves the appearance of the mill, making it brighter, cleaner and safer.

It does more than that! It saves from 10 to 20% of the power wasted by flat belts. It increases the output.

There are still other advantages. You can obtain the complete story by writing for our booklet "Link-Belt Silent Chain Drives for Textile Mills." Simply address the nearest branch office.

PHILADELPHIA

New York

Souther Service Servic

LINK-BELT SILENT CHAIN DRIVES

SOUTHERN IEXTILE BULLET

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH STREET, CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR IN ADVANCE. ENTERED AS SECOND CLASS MAIL MATTER MARCH 2, 1911, AT POSTOFFICE, CHARLOTTE, N. C., UNDER ACT OF CONGRESS, MAR. 3, 1879.

VOLUME XXII

CHARLOTTE, N. C., THURSDAY, SEPTEMBER 22, 1921

NUMBER 4

Increasing the Spinning Value of Cotton

me by the chairman of your program committee to address this body of men who have as much practical where in the world. For about many or few variations in a field twenty-five years I have been a stu- will the cotton from that field be of the cotton plant and its characters, and a large part of my satisfactory. These variations in life work has been devoted to its cotton are the basis upon upon improvement in yield, length, character and all other points which

essential to the operation of all cotton mills is their raw material. You also doubtless agree that no matter what average length cotton the mill may use the spinning results depend largely upon the strength and uniformity of the fiber. It is clear, therefore, that each one of you is, or ought to be, deeply interested in all intelligent efforts for the improvement of the spinning value of the cotton crop and that you will see that it is to the interest of your mills to further all such ef-There are two natural principles which the breeder, who would improve any race of plants or animals, must understand. First, the principle of "natural variation." Second, that "like begets like." These two principles are upon their face opposed to each other, but are not really inconsistent. Let me illustrate. In a high milk producing strain of dairy cattle no two cows produce exactly the same amounts of milk and butter fat, although all are descended from high producers. This illustrates the principle of nat-ural variation. The fact that nearly all of the progeny of high producing individuals make high producers of milk and butter illustrates the principle that like produces like. By continually selecting only the highcontinually selecting only the high- of each of the new strains. At the est producers for breeding it is al- end of this year the variety test is ways possible to further increase gathered and then is estimated the the average yield of any race of plants or animals.

If you will go into any field of cotton and comb the seed from each of a number of plants you will find a variation, often very great, in the length of the fiber, in the unifor-mity of the different fibers from the different plants, in the percentage of lint to seed, and in the strength of then be offered in quantity.

plants you may find one considerably longer and a few considerably wasty and irregular or even and which the plant breeder works. beginning his work he selects a good make for spinning values, variety which he thinks offers pos-You will all agree that a primary sibilities of improvement and plants a field with the seed, giving each plant a uniform distance in the row. When the cotton is mature he examines thousands of plants as to their visible features and selects a large number of individuals which apparently have characters of earliness, high production, large size of boll, uniform strong lint of high per vitality and disease resistance cent, of plant, etc. He gives each selected plant an individual number and the following year a row is planted from the seed of each individual, plants being uniformly spaced and uniformly fertilized. This is what is known as "plant to row" breeding. During that fall the breeder goes carefully over each plant on each row and discards entirely those rows which present visible characters. He then selects bad picks a number of plants from the rows that are apparently best, to continue the pedigree breeding. The seed cotton from each row is separately gathered, weighed, ginned and the seed from the several highest yielding rows are next year increased in small separate fields. At the same time a row or rows of each new strain is put into a variety test alongside of many strains and varieties to test the comparative yields performance of each variety strain and the strain of the new pedigreed cotton which makes the quality and yield is, the following year, increased in a field. This will probably produce enough seed to plant 300 to 500 acres the fourth

pleasure than the one extended to ations are apt to be very slight, altests to be the most superior of its mills buy cotton in their local or me by the chairman of your prothough by combing thousands of generation and, if the breeder post nearby markets at through prices thousands of generation and, if the breeder pos-one consider- sesses the requisite knowledge and eexrcises proper care, the result will

> Such work as I have described has been going on for 20 years on our farms at Hartsville and has resulted in varieties which now occupy a large proportion of the staple acreage of the Mississippi and Arkansas planted to the extent of several hundred thousand acres in the Carolinas and Georgia.

> Other breeders are operating along the same or different lines in the South. The splendid Pima cotton, now grown largely in the southwestern states, was developed by identical methods and other varieties of great value have been produced by government, state and private breeders.

> It would seem that no serious difficulty would be experienced in se-curing the universal co-operation of both farmers and mills by those who are doing the best work breeding and disseminating the pedtunately this is not the case. operation has been secured from a large number of intelligent farmers and many enlightened spinners, but the great rank and file take no interest in the long continued efforts of the scientific cotton breeder, although his work has unconsciously to many of them benefited the industry to the extent of many millions This lack of interest is due largely to the human tendency to stick to the ruts and not experiment with new methods or raw materials.

From the farmer's standpoint a large part of his lack of interest is due to the absence of sound and intelligent marketing methods in great part of the South. I could cite a number of instances where farmers who have secured seed of desirable varieties of premium money value have promptly abandoned them because they could not get value them properly ginned or could not Thus mills would largely cure this trou-

I have not in a long time received the fiber. If you are working with a is produced a pedigreed strain ble. I am sorry to say that even to-an invitation which gave me more highly pedigreed strain these vari- which has been proven by repeated day numbers of Southern cotton Southern cotton nearby markets at through prices. That is, they pay the same for all grades and staples as they come in. knowledge of the spinning values shorter than any of the rest. In be a cotton of higher money value In many instances differences in of cotton as any equal number any-proportion as the breeder finds to the farmer and greater spinning grade but not in staple are made, where in the world. For about many or few variations in a field value to the mill.

When the time comes that every cotton mill and every cotton buyer shall recognize the patent fact that it is to his own interest and to the interest of the entire cotton industry that a proper discrimination should be made between cotton of delta regions and which are also grade, staple, uniformity and character and that superior value should be reflected immediately into the pocket of the primary producer, a operating great improvement will be promptly seen in the entire cotton industry and profits will increase all along the line.

The records of our variety tests extending back for many years and a nine-year table showing prices actually paid the farmers for different kinds of cotton on the streets of Hartsville, show that the planters of pedigreed strains of cotton of su-perior length have enjoyed far greater profits than those who stuck

to unselected varieties.

I cannot refrain from calling your igreed strains of cotton, but unfor- attention as good and progressive tunately this is not the case. Co- citizens to the importance of your promoting in every possible everything that will improve agriculture of this section. Agriculture is our basic industry. Without it our people would go naked and A most alarming situation starve. prevails. Let me quote from recent bulletins of the National Census Bu-Total farm acreage in North Carolina was 22,439,000 acres in 1910. In 1920 it was 20,021,000 acres —a shrinkage of 2,400,000 acres. In South Carolina the figures are 13,-512,000 and 12,461,000-a shrinkage of more than one million acres. In North Carolina there were about two and three-quarter mllion less white farmers in 1920 than in 1910 and during this decade the shrinkage in South Carolina was about one and one-half million white farmers. There was some increase in colored farmers in the two states but not enough to offset one-quarter of the sell them to advantage on their lo- shrinkage in white farmers. Let me year after the beginning of the cal markets. A proper policy of dis- draw your attention to the farm breeding work and the seed may crimination in buying by all cotton mortgage figures for the two states. crimination in buying by all cotton mortgage figures for the two states.

(Continued on Page 42)

Cloth

(Wm. H. Harris, Vice-President, Liberty Textile Corporation, be fore Southern Textile Association.)

trade it has been fairly well agreed is cut. upon for many years that Southern mills do not inspect their cloth quite so set that each lap is under the standard and if the above so well as those of other sections, standard 36-inch yard, causing the with your approval it might Much of the criticism along this line delivery to be short of invoice yard- for your association to adop was in part justified and while great improvment is noted in recent years yet there remains room for further

The difference in daily nominal origin of goods may be easily lost. uotations on certain staple cloths

Construction Defects. quotations on certain staple cloths between the South and East is largely accounted for by necessary adjustment of freight to finishing works. However, the belief that Eastern goods are more carefully inspected and better packed has some bearing on price differences.

Now if we agree there is room for improvement we must next analyze the many defects cloth with in which we have to deal. Before passing on to what we might call mechanical defects we should first consider natural defects in cotton such as trashy, blue, gin cut, ribbon, stained, weak or wasty fibre, mixed with jute fibre, etc.

None of these cottons should be used unless it is thoroughly agreed before hand that they can be spun and woven into cloth suitable for the given purpose.

Yarn Defects.

In dealing with the cloth from the loom we will first consider those defects attributed to faults in the yarn as follows:

Warp or filling or both uneven. Warp or filling or both cockly. Warp or filling or both motey and

Warp or filling or both kinky. Warp or filling or both oily-black.

Warp or filling or both oily-yellow. Warp or filling or both with slugs. Warp or filling or both too knotty. Weaving Defects. Next we will consider defects due

to weaving faults as follows: Scratch-ups; pick-outs; shuttle

marks; ends out; warp entanglement; filling sluffs; wrongly drawn; wrongly reeded; poor face on cloth; smashes; thick and thin places; reed marks; loose ends on face; loose ends on selvage; coarse picks; overshots; tight selvage; sand roll damage.

Now the number of these cotton, yarn or weaving defects carried by a given piece of cloth determines its grade; if "numerous" the cloth is unquestionably "seconded," if "oc-casional" the cloth may be first—if 'scarce" the cloth is surely first quality.

Incidental Defects.

addition to the above certain yard. possible incidental causes of trouble must be mentioned, such as the following:

Bowed Filling-Where cloth has been roughly handled in folder or brushed machine causing filling to how or bias.

Short Laps-Where cloth folder is

Poor Baling or Packing-Where goods will be damaged in transit. Poor Marking-Where idenity or

Now we arrive at the consideration of defects of construction about which unfortunately there general agreement. Let us take a standard cotton sheeting—36-in., 56x60, 4.00 yard-what should be the allowable variation from this for a commercial delivery

Width-Some claim that not more than % inch below nor more than inch above should be allowed. Others say 2% above and below, Unquestionably the percentage basis is the proper one and I would suggest 1% below width and 2% above as fair, the selvage always to be included in total width.

Count-Sley-Naturally the sley must carry the same percentage as the width-1% under and 2% over. In all cases the total ends in warp must be the sley times the width plus number of extra ends to give proper selvage.

Count Pick-A wider variation is needed here as many looms are so geared as to make it impossible to exact pick, so 4% each way would seem fair.

Weight-In all disputes regarding weight of cloth test should only be made where the goods have been exposed for twenty-four hours to an even temperature of 70 degrees F. and relative humidity of 70%. Furthermore, a bale of goods must be the unit tested for weight but no piece must vary more than 21/2%; whereas with a bale as the unit the variation should not be over 14% light and 2% heavy. Nor is it quite for a contract to be written "not lighter than 4.00 to the pound."
The contract should specify "4.00 yard goods" and the percentage named above should take care of the variation.

Now these percentages applied to the standard cloth mentioned above give us the following:

Width-1% under, 2% over. Sley-1% under, 2% over.

Pick-4% each way. Weight-11/2% over, 2% under.

Standard Sheeting-Width, 36 in.; sley, 56; pick, 60; weight, 4.00 yard. Minimum—Width, 35.64 inches; sley, 55.44; pick, 57.60; weight, 4.06

Maximum—Width, 36.72 inches; sley, 57.12; pick, 62.40; weight, 3.92 yard.

Now the above percentages of variation I present for what they are worth and submit for your criticism. I think you will find them Turn-downs-Where cloth has to more or less in accord with trade passed through some calender customer, cotton manufacturers asroll with such pressure that cloth is sociation and the rubberizers-alruptured at creases or turn-downs- though there has been no general

In the marts of the cotton cloth pinched so hard at creases that cloth agreement in adopting any standards through the trade. However, there is a great need for a general meets with your approval it might be well for your association to adopt them shuttle marks. as the standard and thus start the movement to make them generally acceptable and used. Another point not covered is the question of short length. This depends somewhat on character of cloth involved but in no case should a piece under 30 yards be considered full length unless previously agreed upon.

In most cases 40 yard cut is a Where there is a minminumum. umum established a mill is not justified in attempting to ship in each bale a few pieces under the standard simply because they have passed on previous occasions.

Discussion of Defects in Cloth.

(By John W. Clark, before Southern Textile Association, Charlotte, N. C., September 16, 1921.)

I am happy to have had the pleasure of being here this morning. When I think of the Southern Textile Association I know of no more appropriate words in which to express my thoughts than in the current phrase "Go On South." You have all heard the story of the Mississippi river, as it "Goes On South" it steadily increases in width, voltime and power. May this association continue to do likewise.

I was recently requested by the chairman of the program committee to take the floor following the address on "Defects in Cotton Fabrics" and see if we could not stir up some discussion on cloth room management and related matters. Judging from your attentiveness I am sure that you heard the address just delivered with both pleasure and profit. It would be hard to find a man better qualified to speak on the subject chosen than Mr. W. H. Harris.

Southern manufacturers realize fully that quality of output is the one question of paramount importance: There has probably never been a period in the history of the industry, taken as a whole, when more thought and consideration has been given to cloth room management, with a view to improving quality and maintaining it at a constant standard than during the past 12 months.

Associated with every cloth room organization it seems to me that there are five points of the first im-

ist. There should be an abundance of light, both during daylight hours and also when artificial light is required.

2d. Speed of Inspection. Cotton fabrics should be put over the inspecting tables at such a speed that each piece can be thoroughly inspected and no faster. This should of course vary greatly for different fabrics

3d. Inspectors. The greatest care spection and method of inspection.

As can be imagined different finishers dislike certain defects more than others. For instance, a piece dyer dislikes to get goods with misdraws or threads out in warp, also

A bleacher dislikes tight selvages and colored insoluble chalk marks, and a printer is very particular about loose dangling threads on selvages or face of cloth; whereas goods requiring a satin or schreiner finish must be practically free from knots of slubs.

In conclusion let me say that a mill is following bad practice that takes a chance in shipping goods not up to standard hoping they will get It is much better to take the trouble up with customer in a candid way before paying freight on the

should be taken in selecting inspec-They should be thoroughly tors. trained in the work they are required to do and should be found to be reliable before they are put on.

Spare Inspectors. plant should carry in its organization men who are trained as spare inspectors to take the place of the regular inspectors should they be out for any cause. In no instance should any be put on who is not known to be reliable and competent.

5th. Records. Adequate records should be kept of all imperfections that show up. They should be classified such as thin streaks, scratch ups, stringy selvage, oily filling, ends out and numerous other causes. They should also be located as to loom fixers section, weaver loom

In my humble judgment nothing will do more to improve quality than throwing the spotlight on the various imperfections as they occur and then placing the responsibility for same as far as possible.

There is just one other matter which I wish to call your attention to and then I will give some one else an opportunity to talk. I recently heard some discussion in reference to the correct or proper method of figuring percentage of seconds as regards the weave room. For the purpose of illustration we will say that a certain mill is turning out 1,000 cuts of cloth per week, each cut being 60 yards in length. Thirty cuts or 3 per cent of this cloth contains such defects that it is put in the seconds without discussion; 30 cuts more or 3 per cent more contains such imperfections that the cloth has to be cut in two, leaving pieces 25 to 45 yards in length with a number of shorter pieces. Should the weave room seconds be figured as 3 per cent, or 6 per cent, or should ou take the total yards woven and the total yards shipped out as firsts and figure your percentage of firsts and seconds from that. Which is to the best interest of the mill as concerns quality? We would like to hear some discussion in regard to this, also in regard to speed of in-

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Cotton Yarn Defects

In coming here today to talk with you on the subject of cotton yarn and its defects, I realize that each of you probably knows more about the manufacture of cotton yarn than I do. So I am not going to try to tell you how to make varn, but how not to make it. From some of the reports we get from customers, there are still a number of mills who know better how not to make it, than how to make it, but I believe this point is still an open

question.
When I left the mill and entered the selling end of the business number of my friends stated that I was simply looking for an easier job, and wanting to get away from all the mill problems and worries. If this was the case, I was badly mistaken, for I found my troubles had just begun; and while you won't agree with me, I am going to make the statement that a mill man has a snap beside the troubles of a selling agent; and I realize you have trou-bles a plenty every day.

You have probably heard the expression by some of the returned soldiers that, "The next time there is a war, they will join the navy," and a sailor remark that, "The next time they would join the army." Well, that's about the way I feel regarding the troubles of a selling agent and a mill man, and when I had the choice. I accepted the other. Considering all this, at best, it is a toss up as to who has the most troubles, and it certainly behooves us to get together and see how many these troubles we can eliminate.

You have often heard the expression by mill men that "Every customer will find fault with any yarn are usually at some distance from if the market is down." At the the customer's plant where the yarn same time, I have often heard cus-tomers say that, "Most every mill will make poor yarn on a rising market where the yarn bought cheap cannot be rejected." I have also heard mill men say that commission houses and selling agents always favor the customer instead of the mill, and I have heard customers say that, "Selling agents do not insist on the mills delivering good yarn, and delivering same on time, and that they always favor the mill." With these ideas prevailing, you can easily see that the selling agent must be a good shock absorber as well as a central switch board for trouble every day.

Seriously, we all know that such expressions as a rule are simply idle talk, but underlying it all, there are, to some extent, such ideas which should be eliminated.

strict application of two words to

Yarn Department, J. Spencer Tur- lot of our troubles for the future. ner Company, before Southern The two words are "understanding" Textile Association.) and "co-operation," and will be the key-note of my talk today.

By "understanding," I mean that a selling agent should understand market conditions, his customer's requirements, mill conditions, quality of the yarn being sold, and every time be certain of full understanding on part of both the customer and the mill. The mill, on the other hand, should understand the importance of making the yarn right, the troubles caused customers from bad yarn and the importance of delivery on time. The mill should realize the peculiar conditions under which selling agents operate in handling a large number of customers several different mills, and should understand how necessary it is to fully comply with all the terms on their contracts. There is, course, the human equation to be considered but by establishing confidence and working close together we can come pretty near to a full understanding.

"Co-operation," in a way, should be the results of "understanding," as understanding and co-operation are always required to settle a dispute in a satisfactory way. I believe that any dispute can be quickly settled by getting the customer, the mill man and the selling agent together, as I believe each of them wants to be fair, and where they understand each other, a quick settlement may be made. Some of us have had unfortunate experiences in which we have thought we were not treated properly by customer, selling agent or mill, but it has been my experience that most of these misunderstandings may be quickly corrected if the proper attitude is assumed by all parties. Inasmuch as the mills is held it is an expensive proposition for the mill men personally to visit the customer ,and in most instances the mill man does not want to take the time or incur expense to inspect the rejected yarn. It is here that misunderstandings occur. selling agent must represent the mill in such instances, and should do so with all fairness to the mill and to the customers. The mill should have confidence in the selling agent and give the proper co-operation to terminate the claim in a way fair to all concerned. A fair-minded customer has more respect for a selling agent who stands up for the rights of the mill, and would prefer doing business with such an agent, feeling that he would give better attention to his business. Some mill men, I believe, do not realize this fact, and in most instances do not give the proper co-operation in handling I am firmly convinced that the proper co-operation in handling rict application of two words to claims which arise. On the other hand, you have probably had unjustified claims, even where you felt the Charlotte meeting and this pathat you had given full co-operation of warp until it is placed in process. per was read by R. M. Mauldin, of to the selling agent and to the cus- In addition to this, the customer has the Charlotte office of J. Spencer tomer, and in such instances it is alsold a piece of goods to be made a

Frank L. Walton, Manager the yarn business will eliminate a so the difference can be settled. The causes him to make best answer to this is for each mill, selling agent and customer to do business only with those in whom they have confidence to handle their orders where such differences will Some mills, I believe, not arise. overlook the fact that every customer is really their customer, as well as the customer of the selling agent, and it is important to the mills to keep the customer satisfled, not only with proper yarns, but with necessary co-operation.

in accordance with the terms of the contract is essential and important, as a customer buys yarn in certain quantities to take care of his production, and if the yarn does not arrive, you, as mill men, can easily see what trouble he is up against. You experience the trouble in handling your cotton and realize what a useless expense it is to shut down your plant simply for the lack of cotton. demand delivery of your cotton and yarn customer demands delivery of his yarn, and in many instances feels it necessary to buy against a delinquent contract, to keep from shutting down, and it is here that some disputes occur. It is of small interest to the customer as to why the contract is delinquent, as the customer wants yarn and does not feel that his plant should shut down simply because you are having trouyour plants, regardless of where this trouble lies. In many instances, on an advancing market, you might have over-sold your production, thinking you might make a little more; and in other instances you have fallen down on deliveries through various causes, over which you have no control. But regardless of why the delinquencies, you should feel the necessity of speeding production to live up to your contracts. If all contracts were delivered on time, a lot of trouble for the selling agents and customers would be eliminated, and it would promote a better feeling and more co-operation between customer, selling agent, and mill.

So far, I have covered the yarn question in general, but now I will place before you in detail a few of the complaints which we receive quite often from manufacturing defects in the yarn. Many of you are making ball and chain warps, which form of put up causes guite a lotof trouble, mostly from carelessness Doubtless, some of you do not realize that the warps you make are mixed at the customer's plant with five or six other warps from other mills, which warps may be silk, cotton, or woolen, and much more expensive yarn than yours. If your warps are made short, then it is necessary for the customer to cut off you can see, is a big loss to him, and customer cannot determine length to the selling agent and to the cus- In addition to this, the customer has ways best to see the yarn yourself certain length, and your short warp

short pieces which must be sold at a discount, and which causes a lot of trouble between him and his customer. the warps are too long, you not only lose the extra yardage, but it seriously inconveniences the customer in trying to beam same, and handling the waste at the end of the beam. It is important to lease a warp properly as a poorly leased warp is not only expensive, but cuts down the customer's production. In many instances mills ship warps without the proper number of ends, which, of course, makes the warp useless to a customer as a certain number of ends is required in his Another important item fabric. right here, is to have your warps properly packed for shipment, to prevent the warps from becoming broken and damaged in transit; and a good method of packing warps is to have two thicknesses of both paper and burlap, and carefully sew the bales together to prevent open places where the warps will get dirty and torn. When a warp is made wrong for any reason, it should be reported to the selling agent, asking that arrangements be made with the customer to accept same if possible, and if the warp is accepted, it should be plainly marked with a ticket fixing in detail the exact trouble with the warp, so the customer may handle same. mills have shipped bad warps along with good warps and have thereby caused trouble. Rolled warps are also objectionable to the customer as it places an uneven pull on the yarn, and it is very hard to beam. You can easily eliminate this trouble on your warper. Recently some trouble has been experienced with ball warps being wound too loosely on the shell, as in transit the ends sluff off and become tangled around the end of the shell, where it will not fit in the customer's machines. Ball warps should be wound with enough tension to prevent this. We have found it a good idea to place a light veneer head on each end of the shell inside of the packing and this holds the yarn in place.

With tubes, we have had serious trouble from yarn overrunning the ends in winding, which causes the ends to break down in Also, many tubes are too loosely wound and from handling in transit, the ends bulge and extend over the ends of the paper tube, so that the yarn becomes chafed when placed in a creel for beaming. If you are winding two end tubes, care should be taken to see that the two ends run parallel without lapping and more ex- that when a knot is tied, it is tied If your only in the single end and that both ends are not tied together. yarn is run in braiding machines by the same shortage from all the the insulated wire customers and warps mixed with yours, which, as will stop the machines if the two ends are tied together. Skeins should be made as specified for weight, and it is especially important for the lace trade to have the skeins the proper weight. Trouble (Continued on Page 39)

^{*}Mr. Walton was unable to attend Turner Company.

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Address of Welcome

welcome you to Charlotte. I speak North Carolina or in Texas. Charinterests of Charlotte, and believe that I may spak for all the people and interests of Charlotte, and say that we welcome you most heartily. that we welcome you most heartily. engineer. The man with the bee in It is our wish to do everything we his bonnet to build a cotton mill can to make your stay with us com- came as naturally to Charlotte as a fortable and happy and to make duck goes to water. Here he could citizens. your meeting successful and profit-

It seems fitting that meetings of your association should be held in Charlotte. Your association was organized here, as the result of an inspiration of a Charlotte man.

It seems especially fitting that any important gathering of textile men should meet in Charlotte. Some other cities may claim to be the "tex-tile center of the South," and blazon forth on every automobile. We will not quarrel with them over that, but we do know that Charlotte the goods. was the pioneer textile center of the South and we believe that we have not lost any of our prestige. When we have such a gathering of mill industry, the confidence and patronmen come here, we at least can feel age, of you good fellows of the cotamong ourselves that we are the textile center.

Charlotte was the first great tex- ly at it.

(By Rogers W. Davis, of Charlotte.) place to go if one wanted to build a Carolina and as a Southern enter-fired. If you coud ony see the torn I am proud of being called on to cotton mill, whether to be built in prise. We believe you will find it up fields and destroyed towns of cotton mill machinery agency in the sic. South, the home of the first big mill supply house, of the first big mill get his mill plans, the brains put on paper, which would turn an old broom straw field into a thriving manufacturing community. Here he could get his spindles and his looms, his engines and boilers, his its liabilities, generators and motors, his shafting On the cree and belting, his bobbins and cans. He could come to Charlotte and contract for a complete plant, which would furn his raw cotton into finished goods, and he could find a contractor who would build the plant. and turn it over to him producing

And our facilities for doing this have in the meantime increased many fold, thanks to the energy and age, of you good fellows of the cot-

sition must have a deeper meaning: ly destroyed-gone, cloth which was First, it is a recognition of interde- the product of pendence of communities, of two your energy, and your toil-do you great states, of towns, of individual get that!

ing to strike a balance of its ac- one of us must balance a ledger. to balance its assets against

electric power, a thrift that will put to blush a canny Scotchman, and a type of citizenship, pure blooded,

The destruction and waste is something positive, definite, something that can be counted. The shell ton mills. We are here to serve you which exploded on the battlefield government must get us out. The and we propose to keep everlasting- was steel and powder, made up of government must help the farmer was steel and powder, made up of Charlotte was the first great tex- ly at it.

invested money and human labor. tile center of the South. It may not We are very glad that you could Its cost could be figured in dollars have had as many mills, nor as be here at this time to see the and cents. When it exploded it was many spindles as other Southern Carolina Exposition. We believe gone, absolutely gone. And there cities, but it was recognized as the that you will be proud of it as a were millions and milions of them

interesting and instructive and that Franc,e you could get some little as the representative of the textile lotte was the home of the first great you will enjoy its sights and its mu- idea of this awful wastage of capital c. and labor. There were millions and It seems that this Carolina Expo- millions of yards of cloth completeyour money,

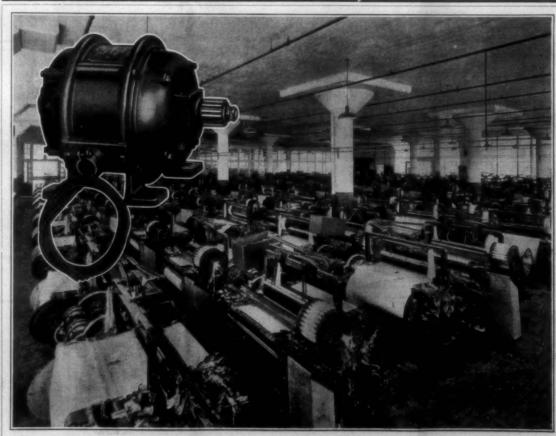
This Carolina ledger which must Second, it is the effort of a great be balanced is your ledger as much community trying to find itself, a as mine, whether you are from community of two great states try- Texas or Georgia. Each individual

Right now it seems that the debit its liabilities.

Side far outbalances the credit side,
On the credit side of its ledger are but there is a perceptible brightenwonderful natural resources, an ening. The only thing which can balergy that is typified by our great ance the ledger is production, the creation of something by energy and effort and toil that will replace that which has been irretrievably de-

disorganization and demoralization part of us all to "pass the buck," to due to the four years of terrible desay it's the fault of the way. thing else, and to sit back and let some one else fix it. We say the government got us into the war, the government must get us out. The and the manufacturer and the railroads.

> But the government can't make there something out of nothing.
> them (Continued on Page 41.)



Loom Motors

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Barranquilla, Colombia Caracas, Venezuela Havana, Cuba

ing with such men as Rogers W. Dawho spoke at a Rotary luncheon in Augusta where Dr. Ashby Jones was the guest of honor. He said:

"I am in 'status quo.'

North Carolina, far in the backwoods they lynched a man during the night,-hanged him to the limb of a tree. Underneath the lifeless body they fixed a piece of paper on which was written 'in status quo.'

When the people learned next morning of the lynching and gathered to view the victim, they saw the written words. They were not educated people, and they wondered what the writing on the placard men in which he warned them that meant. Finally, they sent for an while courtesy is necessary at all aged neighbor, who in times far past had been a school teacher. It's been a long time since I been teaching and it's been a long time since I seen Latin; the old man carefully said. "But the best way I can figure out that writing means that that man a hanging there is in a h-l of a fix."

On behalf of the Southern Textile sez:

Response to Address of Welcome, with 737 mills operating ten million was tact." (By H. K. Hallett, of Camden, S. C.) are vitally interest, namely textiles, the Southern Textile Association: Being asked to speak at this meet- has caused it to be one of the great- This Association has attained more est centers of the South for textile practical results than any other asvis and others on the program I machinery and equipment; also it is feel very much as the gentleman the home of presidents of twentyeight mills. It is the center of the largest hydro-electric development which was conceived and put into in the United States as to total horse practice by Gordon Cobb and ably power developed, and in immediate "Up in some State, maybe it was prospect of development, totalling nearly six hundred thousand. is safe to predict that the territory surrounding Charlotte will become one of the greatest industrial centers in the South.

I spoke a moment ago about our courteous welcome; let me illustrate by an example what I mean by courtesy: Following inspection the commanding officer of a negro regiment was making a speech to his times, one should always use tact in

one's relation with other people.

Talking together afterward, two of the colored soldiers were discussing the difference between courtesy

You can now easily see why I am de wah Ah was a plumber and one new ideas of machinery for the betmost assuredly put "in status quo." day a lady calls me on de phone and terment of the fortile induction. Association it gives me great pleas- baftub done sprung a leak,' and way to lay brick, increasing the ef- most unfortunately, is still in the ure, Mr. Davis, to accept your cor- down Ah rushes. Ah busts right in ficiency of the bricklayer as well embryonic state, may be the soludial and courteous welcome to the the front do' and up the back stairs as his pay. The principles involved tion towards the reduction of waste progressive city of Charlotte. Twen- into the baft-room, and boy, there were unfortunately called "Scien- in textiles. England today is ahead ty-five years ago within a radius of was a lady in the tub. And Ah just tific Management," there would have of us in the matter of research over one hundred miles there was less speaks right up, sez Ah, 'Good Maw-been less prejudice if it could have 90 per cent of all mills in Great than 150 cotton mills, today it is the nin', SIR!' Now that there 'good been called "Common Sense Man-Britain have subscribed to the Brit-

sociation of its kind, due, perhaps, couldn't be done better. to the sectional meetings as much as any other one thing, the idea of practice by Gordon Cobb and ably

continued by his successors.

The potential benefit that this association can be to its members and to the textile industry of the South is unlimited. Because its membership is made up primarily of overseers and superintendents, men who are in close contact with the manuindustry.

There comes to my mind four points which might be taken as a

turing. Who are better fitted than "Well," said one, "Ah can't 'splain in the discovery of new methods of the difference but Ah knows. Fo operation by the time studies the members of the Southern Tex-Hady calls me on de phone and terment of the textile industry, the industry, the industry, the industry, the done sprung a leak, and rederick Taylor found a better The Textile one hundred miles there was less speaks right up, sez Ah, 'Good Maw- been less prejudice if it could have 90 per cent of all mills in Great than 150 cotton mills, today it is the nin', SIR!' Now that there 'good been called "Common Sense Man- Britain have subscribed to the Britcenter of a manufacturing territory, mawnin' was courtesy, but the 'sir' agement," because after all isn't ef-

ficiency applied common sense, or simply the science of discovering how to do things more easily and accurately. There is work being done, which if studied

At our last meeting in Atlanta Mr. W. R. C. Smith mentioned the surveys which were being made covering eight or nine of the basic industries of the country. Since this meeting a report has been issued by W. R. Bassett, of Miller, Franklin & Bassett Company concerning "Waste" textiles, in which he approximates the efficiency of this vast business as only 40 per cent. By Waste" in this report is meant, "A facturing and human factors of the failure to gain the largest possible industry. we have, or from that which by the exercise of reason and intelligence First: We should keep up and for instance, the lack of stability in expand the work of the sectional the general structure, such as marmeetings, gathering more facts for keting, price fluctuations the price fluctuations. men, one of the most effective methods of reducing waste in our mills is, as I have previously stated, by time studies of operative meth-

The Textile Foundation,

(Continued on page 35)

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Phone 3149

CHARLOTTE, N. C. P. O. Box 321

AMONG THOSE PRESENT

The following is a list of those who attended the meeting of the Carter, J. P., Supt., Clinton Cotton Textile Association in Charlotte last week:

Aldrich, A. P., Jr., Genl. Mgr., Aldrich Machine Works, Greenwood, S. C.

wood, S. C.

Alexander, M. O., Supt., Woodside
Cotton Mills, Greenville, S. C.

Allison, C. W., Mgr., General Equipment Co., Charlotte, N. C.

Anderson, Geo. H., Mgr., Victor-Monaghan Mill, Greer, S. C.

Arnold, L. L., Editor, Cotton, Atlanta, Ga.

Ashmore, C. J., Asst. Supt., Altavista Cotton Mill, Altavista,

Austin, J. L., Salesman, Gulf Refin-ing Co., Charlotte, N. C. Arrant, J. L., Supt., Charlotte Leath-er Belting Co., Charlotte, N. C.

Baber, E. E., Bookkeeper, F. W. Poe Mfg. Co., Greenville, S. C. Badger, J. N., Supt., Dunean Mills, Greenville, S. C. Bahan, Geo. F., Salesman, Emmons

Loom Harness Co., Lawrence, Mass.

Barnes, E. T., Overseer Spinning, Wateree Mills, Camden, S.

Barnett, J. D., Overseer, Consolidated Textile Corp., Shelby, N. C.
Batson, Louis P., Salesman, The
Walraven & Shambow Shuttle

Co., Greenville, S. C.

Bell, F. G., Jr., Sales Engineer,
Bigham, R. S., Textile Mill Supply
Co., Charlotte, N. C.
Parks-Cramer Co., Charlotte,
Cox. J. M. Overseer, Rex Spinning Co., Gastonia, N. C.
Cothran, J. S., Rep., Link-Belt Co.,
Cox. J. M. Overseer, Carding, John

Black, A. F., Salesman, E. I. du Pont de Nemours Co., Charlotte, N. C. Black, J. M., Salesman, Charlotte

Leather Belting Co., Greenville, S. C

Blume, T. F., Overseer Carding, Nor-cott Mill, Concord, N. C. Bowen, B. M., Supt., Salisbury Cotton Mill, Salisbury, N. C.

Boyd, H. H., Chadwick-Hoskins Co.,

Charlotte, N. C.

Boyd, W. C., Salesman, Paper Products Co., Cedartown, Ga.

Davis, Ga

Bridges, I. W., Overseer Carding, Rex Spinning Co., Gastonia, N. C. Brigman, C. C., Genl. Overseer Spin-ning, Lancaster Cotton Mill,

Lancaster, S. C. Brooks, Fred P., Selling Agent, Saco-

Lowell Shops, Charlotte, N. C. Broom, J. F., Asst. Supt., Riverside Brown, Chas. H., Rockingham, N. C. Cotton Mills, Danville, Va.

Brown, J. G., Overseer Weaving, Bunton, L. O., Supt., Standard Cot-ton Mills, Monroe, N. C.

Lancaster, S. C.
Burdett, Ira M., Master Mechanic,
Monarch Mills, Lockhart, S. C.
Burgess, Arthur H., Winnsboro Mills,
Winnsboro, S. C.
Burgess, J. W., Overseer Carding,

Campbell, Cannon, L. S., Genl. Overseer Weav-

ing Rosemary Mfg. Co., Rose- Einstein,

mary, N. C. Carter, H. F., Salesman Blackwood Candel, Frederick L. Service Mngr., Mills, Winnsboro, Winnsboro

Cannon, J. M., Simpsonville Cotton

Mill, Simpsonville, S. C.

Mills, Clinton, S. C. Cates, J. W., Supt., Edenton Cotton Mills, Edenton, N. C.

Champion, L. R., Carder, Alexander Mfg. Co., Forest City, N. C.

Chandler, L. L., Spinner, Judson Mills, Greenville, S. C. Cheswell, W. E., Sou. Mgr., Sterling Ring Traveler Co., Fall River, Mass.

Church, M. L., Sou. Rep., Catlin & Co., Charlotte, N. C.

Clark David Editor Southern Textile Chark David Editor Southern Textle
Chase, J. T., National Aniline &
Chemical Co., Charlotte, N. C.
Bulletin Charlotte, N. C.
Clark, John W., Supt., Erwin Cotton
Mills Co., West Durham, N. C.
Clark, Theorem.

Thorne, Treas.,

Mills, Inc., Lincolnton, N. C. Clark, P. F., Overseer Carding, Ware Shoals Mfg. Co., Ware Shoals, S. C.

Cobb, F. Gordon, Genl. Supt., Lan-caster Cotton Mills, Lancaster, S. C.

Cochrane, Fred R., Salesman, Charlotte Leather Belting Co., Charlotte, N. C.

Coker, D. R., Pres., Coker Cotton Co., Hartsville, S. C.

Collins, R. C., Overseer Spinning, Clinton Cotton Mills, Clinton,

Cothran, J. S., Rep., Link-Belt Co., Cox, J. M., Overseer Carding, John-ston Mfg. Co., North Charlotte, Charlotte, N. C.

Crolley, M. A., Overseer Carding, Darlington Mfg. Co., Darlington,

Culbreth, L. M., Supt., Corley Mills, Cumberland, N. C.

Curry, L. T., Genl. Overseer Weaving, Lancaster Cotton Mills, Lan-

caster, S. C.
Davis, J. T., Overseer Weaving,
Gaffney, S. C.
Davis, W. F., Supt., Brandon Mills, Overseer Weaving,

Greenville, S. C.
Davis, Rogers W., Sou. Agt., SacoLowell Shops, Charlotte, N. C. Dawson, C. C., Mays Mill, Cramerton, N. C.

Derrick, O. L., Lexington, S. C. Detwiler, Harvey A., Salesman, Valvoline Oil Co., Charlotte, N. C.

Dillard, Robt. D., Cloth Room Fore-man, Wateree Mills, Camden, S. C.

Dilling, Marshall, Supt., A. M. Smyre Mfg. Co., Gastonia, N. C. Dixon, A. M., Supt., Trenton Cotton Mills, Gastonia, N. C.

Dorn, J. L., Supt., Oconee Mills Co., Westminster, S. C. Dover, J. R., Jr., Mngr., Consolidated Textile Corp., Shelby, N. C.

Belton Mills, Belton, S. C.

appell, C. D., Chadwick Mill, Edwards, J. O., Genl. Overseer Carding, Lancaster Cotton Mills, Lan caster, S. C. stein, Max.,

stein, Max., Sou. Rep., New Brunswick Chemical Co., Newark, N. J. Englehart, C. P., Salesman, Charlotte Leather Belting Co., Charlotte,

Coal and Coke, Co., Spartanburg, Escott, Albert, Editor, Cotton Mill S. C. News, Charlotte, N. C.

(Continued on Page 22.)

Southern Gypsum Walls

Attractive, Sound Vermin-Proof

The best Interior Walls for Offices, Community Building or Cottages are secured by using Southern Gypsum Company Plasters.

You can't overestimate the importance of attractive, sound, Vermin Proof surfaces. Southern Gypsum walls have no cracks or crevices for insects or germs.

Every one of the cotton mills listed below has used solid carloads of Southern Plasters. Many of them have bought in 500-ton lots.

LIST OF TEXTILE MILL JOBS ON WHICH SOUTH-ERN GYPSUM COMPANY PLASTER HAS BEEN USED.

Buck Creek Cotton Mills	
Gainesville Cotton Mills	
Hillside Cotton MillsLaGrange, Ga.	
minside Cotton MinsLadrange, Ga.	
Pacolet Manufacturing Co New Holland, Georgia	
Thomaston Cotton Mills	
Wiscospett Mills Albemaria N C	
Wiscassett MillsAlbemarie, N. O.	
Wiscassett Mills Albemarle, N. C. Crescent Spinning Mills Belmont, N. C. Mecklenburg Mills Charlotte, N. C.	
Mecklenburg Mills	
Savona Manufacturing Co . Charlotte N C	
Savona Manufacturing Co Charlotte, N. C. Cannon Manufacturing Co Concord, N. C. Florence Mills Forest City, N. C.	
Cannon Manufacturing Co	
Florence Mills	
Clara Mills	
Clara mills	
Myers Mills	
Victory Mills	
Pomona Mills Greenshoro N. C.	
Decuments Cotton Mills	
Proximity Cotton Mills	
Pomona Mills	
Cannon Manufacturing Co	
Cabarrus Cotton Mills Kannanolis N. C.	
Vannanalia Cotton Mille	
Kannapolis Cotton Mills Kannapolis, N. C. Linn Mills Landis, N. C.	
Linn MillsLandis, N. C.	
Erlanger Mills	
Vadkin Finishing Co	
Taukin Finishing Co	
Mayo Mills	
Mays Mills	
Iceman Knitting Mills Monroe N. C.	
Posterior Builds & C	
Patterson Mills	
Roanoke Mills	
Mays Mills Mayworth, N. C. Iceman Knitting Mills Monroe, N. C. Patterson Mills Roanoke Rapids, N. C. Roanoke Mills Roanoke Rapids, N. C. Rosemary Manufacturing Co. Rosemary, N. C.	
Payhore Catter Mills . Bayhore N. C.	
Roxboro Cotton Mills	
Entwistle Manufacturing Co	
Pce Dee Cotton Mills	
Rowan Cotton Mills	
Eastside Mills Shelby, N. C. Spindale Mills Spindale, N. C. Erwin Cotton Mills West Durham, N. C. Hancs Knitting Mills Winston-Salem, N. C.	
Eastaide Mills	
Spindale Mills	
Erwin Cotton Mills	
Hanes Knitting Mills Winston-Salem, N. C.	
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Brogon Mills	
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Agents in every city in the South. Send for literature and prices to

Southern Gypsum Co.

North Holston, Va.

Textile Exhibits at "Made In Carolinas" Exposition

A large part of the Made-in-Caro- The P. H. Hanes Knitting Com- Waldensian Swiss Embroidery Co., Stonecutter, the Elmore Co., Parslinas Exposition which is now being pany, Winston-Salem, N. C., have a and Pauline Hosiery Mills, all of ley and Tanner and the Spencer held in Charlotte was given over to very attractive and elaborate booth, Valdese, N. C., showed a complete Mills. the display of products of the tex- showing the full line of men's and the display of products. Among boys' underwear manufactured by the exhibitors were a large number them. D. S. Reid, Jr., was in charge tribed and malls, Kings Mountain, N. C., iery Mills, of Lexington, N. C., Mrs. showed a line of damask, table G. H. Welbourne being in charge. The Roberdel Manufacturing Co., cloths and napkins, there being the American Yarn and Processingly manufacturers. The Roberdel Manufacturing Co., with a damask from the Pauline, novelite ing Co., of Mt. Holly, had a very complete showing of the yarns made

Buckle Mills, of Rock Hill, and the Baldwin Mills, Chester, all of which and plaids made by these mills, are controlled by Alex Long, had a The Maline Mills, Winston-Salem, booth showing samples of print N. C., showed a very complete line cloths, cord madras, poplins, oxford of knit goods, including underwear, sheetings, bag cloths, yarn, indus-hosiery, knitted skirts and slips for triple ginghams and shirtings. J. B. addies and misses. V. O. Boden. trial ginghams, and shirtings. J. R. ladies and misses. V. O. Bodentonia, manufacturers of textile ma-barron, Jr., of Rock Hill, was in heimer was incharge.

The Victoria Mills ,of Rock Hill, was in charge of this booth. manufacturers of ginghams and colored prints, showed samples of their various lines.

Arista and Washington Mills, Winston-Salem, had a very attractively plant foreman, were in charge. arranged booth showing men's and boys' knit underwear, sheetings and

plant at Charlotte, including spin- institute, showed a complete line of dles, and flyer pressers, and other men's dress shirts. products.

Among these concerns were the fol-Leak, Wall and McRae Mills and the damask from the Pauline, novelite lowing exhibits:

Pee Dee Manufacturing Co., all of spreads from the Margrace and The Aragon, Arcade and Blue Rockingham, N. C., have a well ar-"nikpan" napkins from the Patricia ranged display of tickings, ginghams

The Chatham Manufacturing Com-The Highland Park Mills, of Char- pany, of Elkin, N. C., had an elabolotte, had a loom in operation in rate display of blankets, showing a their booth, demonstrating the man-wide variety of patterns and colors. ufacture of ginghams.

C. C. Poindexter, of Winston-Salem,

The Charlotte Manufacturing Co., manufacturers of card clothing, had arious lines.

on exhibit samples of their card
The Mayo Mills, Mayodan, and the clothing and reeds. J. S. Grierson, sales manager, and Frank Justice,

The Textile Industrial Institute of Spartanburg, manufacturers of "Character Cloth" had a very pretty and Flyer Co., in charge of W. H. tracted unusual attention. The Monty, showed the various products Geoghegan Shirting Co., of Reidsmanufactured at the company's ville, N. C., jointly showing with the plant at Charlotte, including and

Mills. P. A. Neisler, of Kings Mountain, was in charge.

The Phenix Mills, also of Kings Mountain, showed samples of their well-known line of drills.

eration, including a reel, beam warper and other products of their plant,

The Park-Cramer Co., Charlotte, exhibited Cramer and Parko humidifiers and also a water motor that can be substituted for the electric motor for operating the humidifier heads.

The Statesville Cotton Mills. Statesville, N. C., showed a large number of samples of their colored yarns, ropes and twines.

The D. and M. Company, Charlotte, showed sizing of their sizing compounds and also specimens of n at-goods that had been finished with The the products of this company.

The Waldensian Hosiery Mills, mills which include the Spindale,

complete showing of the yarns made at the various plants of the company and also products of their finishing plant.

The Jordan Manufacturing Company, pany, manufacturers of bobbins, which has its main plant at Monticello, Ga., and a branch plant at Toecane, N. C., had a very attractively arranged exhibit of their line of bobbins, skewers, clear rolls, and cop butts. A. D. Roper, manager and member of the firm, was in charge of the exhibit. The bobbins were of a beautiful quality, made from the best maple obtainable. The company, which is 22 years old, has uilt up a very substantial business with the Southern mills. A rapidly growing business with the Carolina Mills has made it necessary to enlarge the plant at Toecane from time to time, and the company is prepared to give mills in this section unusually good service in shipping bobbin orders. The exhibit, which showed the wood in all stages of manufacture from the raw material The exhibit from the mills at manufacture from the raw material Spindale, N. C., included combed to the finished product, attracted a yarns, ginghams, hosiery and other great deal of attention and the many products manufactured by these members of the Southern Textile (Continued on Page 33.)

Fordson

The Fordson tractor is not only a great piece of farming equipment, but it is also being used extensively by manufacturers. The Let us explain the varied uses of the Fordson tractor.

Blalock Motor Company

509 South Tryon Street

CHARLOTTE, N. C.

Some Exhibits To Be Seen At The Textile Products Show

Officials in charge of the Textile ings and featherstitch braids. Three garments.

Woolen Mills, Charlotte, will be Products Show, to be held in Green- or four children's dresses finished. They have taken two spaces on made up of slasher, roller and clear-ville, S. C., October 6 to 12, announce with edging and braid, smart models the main floor and our exhibit will er, cloths, and blankets. that indications point to a very suc- of children's underwear, one or two be arranged in most attractive form, cessful show in every way. The list aprons, and one or two other arti-absolutely u of exhibitors is rapidly increased cles, demonstrating the extensive of this show from day to day and many additions possibilities of their product will will be made to the list as previ- also form a part of the exhibit.

The exhib ously reported.

Union Bleaching and Finishing Co.
The exhibit of the Union Bleaching and Finishing Company, Greenville, will consist of pieces of finished goods covering about the entire range of finishes they put through, such for instance as muslin, cambric, nainsook, longcloth, percale, jeans, middy twills, drills, embroideries, imitation linen, Osnaburgs, repp, gabardines, ducks, shrunks. drill and twill pocketings and fast

colored yarn shirtings

The American Fabrics Company. The exhibit of the American Fab-Bridgeport, Company, Conn., will include their finest patterns of Cluny, Point Venice, Torchons and Filet laces suitable for blouses, dresses, underwear and table linen, as well as the heavier laces used in trimming curtains and various household linens.

The list aprons, and one or two other arti- absolutely up to the high standard

Pelzer Manufacturing Company. Brief descriptions of a number of the exhibits to be shown are given pany, Pelzer, S. C., will exhibit at below:

The Pelzer Manufacturing Company, Pelzer, S. C., will exhibit at the Textile Products Show a full line of their cloths in the gray, also as finished, including their bed sheets, etc. They will also have a full line of export bales marked for different countries to which they ship goods, such as Aden, Bombay, Zanzibar, Constantinople, Gallipoli, Shanghai, Manila, and different parts of South America.

Franklin Process Company.

The exhibit of the Franklin Process Company, Providence, will consist of yarns dyed by the Franklin method, and cloth woven from these yarns. They will also show cards and various literature describing the process, and showing what colors they are in a position to supply to the trade, particularly in the so-called fast to bleaching colors.

The Erlanger Cotton Mills Co. The display to be put on by the Erlanger Mills, Lexington, N. C., at They will also show allover lace Textile Products Show will consist bed spreads with bolster covers to of fabrics as manufactured by the sider, particularly beautiful designs. finished by the North Carolina Fin-In conjunction with their laces ishing Company, as well as display will be shown their embroidery edg- B. V. D. union suits and two piece

Williamston Mills.

Mills, Williamston, S. C., at the Tex-

Blue Buckle Cotton Mills.

The agents of the Blue Buckle Mills, Rock Hill, the Ridley Watts & Company of New York, will have a The Blue Buckle Cotton and tissues. represent. Mills will be represented in this list and a full line of the Celebrated "In-

their cloth, such as Serpentine Textile Cor Crepe, Duretta Cloth, Hampton street, New Suiting, Palico Cloth, Pacific Mills in the East. Percale, and probably some of the

Textile Industrial Institute.

The Textile Industrial Institute.

The Textile Industrial Institute,

Spartanburg, S. C., will show a full manufacture, these goods being example and shirtings, with probable and shirtings, with probable and shirtings. match in four new, and they con- Erlanger Cotton Mills Company and finished garments made of this ma-

The Leaksville Woolen Mills. The exhibit of the Leaksville

Georgia Cotton Mills.

The Georgia Cotton Mills, Griffin, Ga., expects to exhibit about 30 styles of turkish towels, including The exhibit of the Williamston red and blue borders, also several styles of huck towels; "Red Diatile Products Show at Greenville mond" diaper both in 10-yard pieces, will consist of samples of our finish- and in the cut and hemmed ready ed product, 39-inch, 68x72, 4.75 yard for use; fancy dress goods of various patterns; all of the above will be finished at their own bleachery.

Dunean Mills.

The exhibit of the Dunean Mills, Greenville, will be made up of finspace reserved at the Textile Prod- ished goods displaying lawns, voiles, ucts Show for the mills which they shirtings, cotton and silk mixtures

Edisto Mills.

Edisto Mills, Greenville, expect to dustrial Denims" will be on display show. "Huko" products. A special feature of the exhibit will be the line of Edisto Artex pillow cases, Pacific Mills, Columbia, S. C., ex- which they are now distributing in pect to have an exhibit of some of the South and which the Liberty Textile Corporation of 16 Thomas street, New York is selling for them

Watts Mills.
The exhibit of the Watts Mills,

Commission Co., Greenshoro, will consist of a representation of

the various lines they handle, being (Continued on Page 32.)

Mill Men, Attention!

Oll in Stock in We now carry NON-

Charlotte, N. C. Greenville, S. C. Atlanta, Ga. New Orleans, La.

Mail Orders Receive Prompt Attention

N. Y. & N. J. Lubricant Company

401 Broadway

L. W. Thomason, Sou. Agent, Charlotte, N. C.

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and be the first to reach the goal

The textile industry, as a whole, has been among the first to emerge from the passing era of business depression. Trade conditions, together with efficient engineering and management, have all contributed to this condition.

Now, new probems of management must be solved. New operating conditions must be met. New standards of production must be established to meet new methods of merchandising.

And under these new conditions Lockwood-Greene experience and Lockwood-Greene service assume a new importance.

Lockwood, Greene & Co. have been meeting "new" conditions for nearly ninety years. They are meeting new conditions today.

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Take advantage of them. Pioneer with the pioneer—and be the first to



reach the goal. LOCKWOOD, GREENE & CO.

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NEW YORK PHILADELPHIA

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Among Those Present at Charlotte. Hightower, T. A., Supplement of Continued from Page 19.)

Mills, Edgefield, S. C.

Federline, J. R., Spinner, Belton Mills, Belton, S. C. Federline, J. R., Jr., Overseer Spin-ning, Darlington Mfg. Co., Dar-Fennell, J. B., Overseer Weaving, Pacific Mills, Columbia, S. C. lington, S. C.

Ferrell, A. O., Asst. Supt., Savona
Mfg. Co., Charlotte, N. C.

Ferris, F. B., Pres. Charlotte Mfg.
Co., Charlotte, N. C.

Fleming, Geo. E., Salesman, Garland
Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
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Fleming, Geo. E., Salesman, Garland

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Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland

Forrester, C. O., Draftsman, Lock
Fleming, Geo. E., Salesman, Garland wood, Greene & Co., Charlotte, N. C. Co., Cleveland, O.

Green, I. E., Salesman ,Du Pont Co.,
Charlotte, N. C.
Gregory, W. W., Overseer Cloth
Room, Piedmont Mfg. Co., PiedLaughridge, A. G., Salesman, Green-

mont, S. C.
Grimes, M. A., Supt., Gluck Mills, Lawson, W. D., Supt., Rhyne-AnderAnderson, S. C.

ville, S. C.

ville, S. C.

son Mills, Troy, N. C.

Grubb, J. R., Overseer Carding, Ab- Lay, M. A., Supt., Lowell Cotton Mill, beville Cotton Mills, Abbeville, Lowell, N. C.

Guillet, A. M., Pres., Dixie Spindle &

Mills, Columbia, S. C.

Hand, J. E., Overseer Carding and McCombs, J. V., Supt., Buffalo Mills, Spinning G. H. Tilton & Sons, Union, S. C.

Savannah, Ga.

Belting Co., Charlotte, N. C.

Harris, Carl R., Asst. Overseer Spin- McCracken, E. R., Arista Mills Co., ning, Lancaster Cot. Mill, Lan-caster, S. C.

Wm. H., V.-Prest., Liberty Textile Corp., 16 Thomas St., New York.

Harris, R. F., Supt. Lowell Cotton Mills, Lowell, N. C.

Harriman, D. R., Jr., Salesman, Chas.

Harriman, D. R., Jr., Salesman, Chas.
R. Allen, Charleston, S. C.
Hemphill, C. M., Supt., Monaghan
Mill, Greenville, S. C.
Henderson, T. H., Slasher Foreman,
Monaghan Mill, Greenville, S. C.
Herd, R. W., Overseer Spinning, Herd, R. W., Overseer Spinning Dunean Mills, Greenville, S. C.

Supt., Addison

Among Those

(Continued from Page 19.7)

Etters, K. C., Supt., Baldwin Cotton

Mills, Chester, S. C.

Failor, Walter M., Charlotte, N. C.

Fairbanks, E. A., Salesman, Providence Drysalter Co., Providence, R. I.

Fallin, C. T., Louise Mill, Charlotte, N. C.

Fallin, C. T., Louise Mill, Charlotte, N. C.

Faderline, J. R., Spinner, Belton

Faderline, J. R., Spinner,

Weaving, Howard, Edwin, Sou. Agt., Mason , S. C. Machine Works, Greenville, Hull, J. T., Kings Mountain, N. C.

Sons, Inc., New York City. Isenhour, E. H., Sou. Agt., Ashworth Bros., Inc., Charlotte, N. C.

Jarrett, Arthur, Overseer of Weav-Gardner, F. B., Mngr., General Asbestos & Rubber Co., Charleston, Johnson, W. P., Overseer Weaving, Wateree Mills, Camden, S.

S. C.
Gayle, Walter W., Agt., Saco-Lowell
Shops, Greenville, S. C.
Gewinner, John K., Sou., Mngr., D.
A. Lubricant Co., Atlanta, Ga.
Gibson, W. H., Supt., Brazos Valley
Cotton Mills, West, Texas.
Gilbert, L. R., Supt., Caraleigh Mills
Co., Raleigh, N. C.
Grant, R. T. Sou., Mngr., United Knowles, E. P., Overseer Carding

Grant, R. T., Sou. Mngr., United Knowles, E. P., Overseer Carding Chemical Products Co., Jersey and Spinning, Consolidated Texand Spinning, Consolidated Tex-

City, N. J.

Graves, John L., Selling Agt., Saco-Lane, Ralph M., Sou. Rep., Audiffren Lowell Shops, Greenville, S. C.

Refrigerating Machine Co., Char-

lotte, N. C.
Lanier, D. W., Supt., Oxford Cotton
Mills, Oxford, N. C.

Lowell, N. C. League, D. W., Overseer Weaving, F. W. Poe Mfg. Co., Greenville,

Guillet, A. M., Pres., Dixie Spindle & Flyer Co., Charlotte, N. C.

Gunter, C. W., Mngr., Coker Cotton Sales Co., Gastonia, N. C.

Hallett, H. K., Supt., Wateree Mills, Conover, N. C.

Hamilton, A. M., Supt., Chesnee Mills, Chesnee, S. C.

Hamrick, G. G., Spinner, Alexander Mfg. Co., Forest City, N. C.

Hamrick, W. P. Genl, Supt. Pacific McGee, C. W. Chadwick-Hoskins Co.

Mfg. Co., Forest City, N. C. Lund, Geo. W., Charlotte Leather Hamrick, W. P., Genl. Supt., Pacific McGee, C. W., Chadwick-Hoskins Co.,

Winston-Salem, N. C.
McDaniel, O. R., Overseer Cloth
Room, Chedwick-Haskins Co.,

Chadwick-Hoskins Co., Charlotte, N. C.

McDonald, C. D., Supt., Norcott Mills Co., Concord, N. C. McFalls, J. A., Supt. Ranlo Mfg. Co., Gastonia, N. C.

Martin W. A. Pay Master, Rhyne-Anderson Mills Co., Troy, N. C. Matthews, H. E., Sales Eng., Morse Chain Co., Charlotte, N. C. Mauldin, R. M., Sou. Mgr., J. Spencer

Turner Co., Charlotte, N. C. Miller, Wm., Asst. Supt., Corley

Mills, Cumberland N. C.

Spartanburg, S. C. Morris, H. E., Salesman, Brown St. Onge Co., Providence R. I.

Morrow, Harry, Salesman, Joseph
Sykes Bros., Charlotte, N. C.

Morton, T. R., Carder, Cabarrus
Mills, Kannapolis, N. C.

Peaseley, Chas. D. Rept. National
Ring Traveler Co., Charlotte,
N. C.

Parrott, C. W., P. H. Hanes Knitting
Co., Winston-Salem, N. C.

Moseley, H. W., Cloth Room, Ware Shoals Mfg. Co., Ware Shoals,

S. C.
Mullen, T. W., Supt., Rosemary Mfg.
Co., Rosemary, N. C.
New, A. G., Sales Agent, Wm. Sellers
New, A. G., Sales Agent, Wm. Sellers
Porter, Jas. V., Overseer of Spinning,
Porter, Jas. V., Overseer of Spinning,
One of the Control of the Control of the Control of Spinning,
Porter, Jas. V., Overseer of Spinning,
One of the Control o & Co., Inc., Greenville, S. C. Newton, H. A., Supt., Pacific Mills, Columbia, S. C.

Nipper, J. W., Supt., Lexington Mfg.

Norris, A. O., Supt., Barringer Mfg. Co., Rockwell, N. C. Co., Lexington, S. C.

Oliphant, A. D., Sou., Mgr., Textile Power, S. R., Supt., Mills, Blacksburg

court & Co., Philadelphia, Pa.

To Be

Co., Charlotte, N. C.

Oversby, J. R., Overseer of Weaving, Mills, Cumberland N. C.

Milmow, Albert, Mgr., Michael & Leak, Wall & McRae, Rockingham, N. C.

Montjoy, J. C., Supt., Victor-Monaghan Mill, Greer, S. C.

Moore, T. B., Supt., Clover Mills Co., Clover, S. C.

Mulling, Cumberland N. C.

Versby, J. R., Overseer of Weaving, Leak, Wall & McRae, Rocking-ham, N. C.

Ouzts, J. W., Prop., Hunter Machine Co., Marion, N. C.

Mfg. Co., Piedmont, S. C.

Queen, J. J., Chadwick-Hoskins Sta.,

Moore, T. B., Supt., Clover Mills Co.,
Clover, S. C.
Mullinax, J. W., Overseer Cloth
Room, Chadwick-Hoskins Mill Padgett, C. M., Overseer of Carding,

No. 2, Charlotte, N. C.

Moody, H. F., Supt., Drayton Mills,
Spartanburg, S. C.

Moore, J. R., Alexander Mfg. Co.,
Forest City, N. C.

Moreland, J. T. Moorlead Sixing Co.

Moore, J. R., Alexander
Forest City, N. C.

& Co., Greenville, S. G.

Moreland, J. T., Mereland Sizing Co., Paxton, John E., Overseer of Dyeing,

Lexington Mfg. Co., Lexington, S. C.

Peaseley, Chas. D. Rept. National Ring Traveler Co., Charlotte,

Co., Winston-Salem, N. C.

Pettit, C. W., Overseer of Spinning, W. Poe Mfg. Co., Greenville,

Phillip, R. W., Associate Editor, Cotton, Atlanta, Ga. Arcade Cotton Mills, Rock Hill,

S. C.

Powers, Edw., Supt. Arista Mills, Winston-Salem, N. C.

Broad River Mills, Blacksburg, S. C.

Osteen, R. F., Overseer Weaving, F.

W. Poe Mfg., Greenville, S. C.

Ousley, M., Sou. Rep., W. F. Fancourt & Co., Philadelphia Particle of the Co., Province of the Co., Philadelphia Particle of the Co., Philade

court & Co., Philadelphia, Pa. ing. Trion, Ga.
Osborne, A., Lockwood, Greene & Poole, R. W., Draper Corp., Atlanta, (Continued on Page 30.) .

> the most reliable

source of

supply of

chief aim

Company

of this

Safety Valves will save Thousands of Fuses

What would happen if the boiler of a railway locomotive were made of fibre the thickness of that used in fuse casings?

That is just what happens to fuses that are not constructed to let the pressure of gases escape quickly when there is a blowout. For blowouts, especially if caused by short circuits, frequently create a pressure higher than that carried by locomotives.

We have at last discovered a way to let the pressure of blowouts escape before it has time to do any damage to

Union Re newable Fuses are now built with four safety valves on each

These safety valves consist of small vents or holes in the metal washers but without a hole in the leather washers. So you see, when a link blows the pressure lifts the leather washers enough for gases to esc vet not sufficient to permit any flame to pass.

Simple, isn't it? So simple it's a wonder no one ever thought of it before. Yet, it will sa thousands of fuses from being blown to atoms. Yet, it will save "Union" Fuses have many other valuable features found in no others—features that make them the cheapest fuse on the market to use.
"Union" Fuses, both Renewable and Non-Renew-

able, are for sale by all leading jobbers and dealers. They are approved in the very highest degree by the National Board of Fire Underwriters.



The "Union" saves more than ANY other renewable fuse.

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Oldest and Largest Manufacturers of Fuses Electrical Protecting Materials and Conduit Fittings CHICAGO NEW YORK NEW YORK



the best Sulphur colors made in America is the

Atlantic Dyestuff Company

Works: PORTSMOUTH and BURRAGE

Main Office: BOSTON

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PHILADELPHIA PROVIDENCE

Virginia Iron, Coal and Coke Company

Miners, Manufacturers and Shippers of

COAL AND COKE

ANNUAL CAPACITY 2,000,000 TONS





TOMS CREEK

Gas, Steam and Domesuc Coke Steam and Domestic Coal

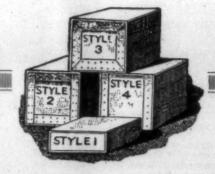


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These boxes are built of timber taken from our own lands, in four styles as shown; present a neat appearance, and are made to carry heavy loads.

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White Pine, N. C. Pine, Poplar, Oak and Chestnut

We also manufacture Kiln-Dried and Dressed Lumber. Mill Work-Ceiling, Flooring & Mouldings

Hutton & Bourbonnais Co. HICKORY, N. C.

Personal News

Cotton Mills, Winnsboro, S. C.

T. J. West now has charge of twisting at the Wadesboro (N. C.) Cotton Mills.

John L. Harper has become overeer of spinning at the Knoxville (Tenn.) Mills.

Roy Walker is now overseer of spinning at the Grantville Hosiery Mills, Grantville, Ga.

John Hallman has resigned as overseer of weaving at the Republic Mills. Great Falls. S. C.

James Gibson has resigned as overseer of spinning at the Republic Mills, Great Falls, S. C.

accepted the position of overseer of weaving at the Chadwick-Hoskins Mill No. 3, Charlotte.

Allen Stiles has become overseer of weaving and assistant superintendent of the Avondale Mills, Humboldt, Tenn.

J. M. Cox, formerly of the Riverside Mills, Danville, Va., is now overseer of carding at the Johnston Mfg. Co., North Charlotte.

H. Pritchard has accepted the position of master mechanic and engineer at the Winnsboro Mills, Winnsboro, S. C.

F. G. Parker, superintendent of ne Prendergast (Tenn.) Mills, is (Tenn.) Mills, is spending a portion of his vacation in Charlotte and visited us this week.

has become night overseer of weaving at the Lincolnton Mills, Huntsville, Ala.

Mills, Kings Mountain, N. C.

R. R. McCraw, of Charlotte, has

H. Kirkman has resigned as

master mechanic at the Winnsboro overseer of weaving at Fidelity Mfg. Co., Charlotte, N. C., to accept position at Clemson College as assistant designor, and will also take course

> J. L. Donahoe has resigned as second hand in weaving at the Savona Mfg. Co., Charlotte, to accept a similar position with the Chadwick-Hoskins Mill No. 1, of the same

Weekly Market Letter of Spencer Turner Company.

Sales of all counts of yarn have been few and far between the past week, due to the fact that prices have been advancd by spinners so suddenly and to such a high level as compared with prices some few weeks ago that the trade have made up their minds that the advance has been to sudden and consequently prices could not be held at the pres ent level. Manufacturrs all admit that spinners are warranted in getting much higher prices for their yarn than formerly, but in most cases manufacturers are not able to understand or appreciate the underlying conditions that have forced the cotton market upward recently, and not understanding these conditions, they believe that to a great extent the sudden rise in cotton is purely due to speculation on the part of bankers in the South, and that as soon as the bankers have realized on their holdings, they will fail to support the market, and that in consequence cotton will find a level between 15 cents and 18 cents. J. P. McGraw, of West Point, Ga., They think this condition will more likely come about due to the fact that business is not being transacted James Oates has been promoted to prices up, and unless there is a true overseer of weaving at the Phenix and honest demand, they do not helieve that prices can be held at the present level for any great length of

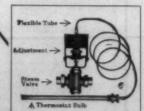
There is not as yet a really good overseer of weaving at the Avon-demand for merchandise. Manufacdale Mills, Humboldt, Tenn., and acturers state that they are not obcepted a position at the Bemis Mills, taining business, and that a good many of their customers have told

Pretty Hot--Pretty Cold

Such inaccuracy is to be expected when you depend on the human element for tem-

Whenever there is a need for maintaining definite, even temperature the Powers Automatic Heat Regulator is your answer. For offices, shops, or any industrial process requiring even temperature. We have made a study of automatic heat control for over 30 years. Our experience is at your command, without charge or obligation.

984 Architects Bidg., New York 2759 Greenview Ave., Chicago 595 Boston Wharf Bidg., Boston Canadian Powers Regulator Co., Ltd., Toronto, Southern Representatives: Morrison, Horan & Co., Charlotte, N. C.



This illustrates the Powers Regulator No. 11, especially adapted to control of liquid temperatures. For dyeing machines, scouring bowls, washing machines, and other places where even temperature of a liquid is desired, it has no superior. Automatic. Reliable. Basily, installed. Accurate. Try one 30 days. If it doesn't prove a saving, send it back.

them that the lid has been clamped the creation of a symbol bearing down tight on buyers by the Credit the words "Knitted OUTERwear" Department, as those responsible do which served to establish this innot think it is a good time to buy dustry as a separate and distinct en-merchandise. The only alternative tity, the products of which need of the present condition is for manufacturers to educate their trade to of any other group of manufacturthe higher level of prices. This they ers are endeavoring to do. They do not believe, however, that the trade has as yet made up its mind to the fact symbol has been reproduced milthat it is safe to buy on the present cotton market itself becomes firmer anyone, all factors being in fear of again putting themselves in the position to be badly stung by the mar- again before the eyes of the public, ket declining as rapidly as it ad- the industry and the trade. vanced.

confronted the knitted outerwear industry when it undertook its camthat of asserting its individuality. It became necessary to distinguish



all other garments and textiles.

was accomplished through the top it slips down again.

never again be confused with those

symbol has been reproduced millions of times—in the magazines, in level. Until they do, and until the the advertisements of manufacturers, jobbers and dealers, on letterand does not fluctuate to the extent heads, circulars and catalogs, as it has recently, there will be no well as in the show windows, stores great amount of business placed by and offices of the trade. From coast to coast the words "Knitted OUTERwear" have been flashed again and

Having established this separate classification the second step which The Evolution of the Knitted Outer- confronts the industry is to create wear Symbol. a distinct "preference" 'for its products throughout the country. To ex-One of the first problems which press this new purpose the symbol of the Knitted OUTERwear Industry has been developed so that it paign of national advertising was now reads "Knitted OUTERwear deserves the preference," of individual manufacturers in the mind of the public and the upon which this symbol appears will, through its description of Knitted OUTERwear, best demonstrate why this statement is true.

In addition, a country-wide campaign, planned by the National Advertising Bureau to utilize every available medium of publicty, will place before the country the defi-nite, practicaly "reasons why" Knitted OUTERwear deserves the preference of the trade and public

Tommy (who was watching some trade between the manufacturers of men working a pile driver)-Isn't it this industry or their products and a shame! Those men have been trythe manufacturers or products of ing ever so hard to lift that great big weight, and each time it reaches

Logan-Pocahontas Fuel Co.

General Offices: CHARLESTON, W. Va.

SHIPPERS OF

NEW RIVER and POCAHONTAS MINE RUN and PREPARED SIZES

ALSO HIGH VOLATILE COALS FROM

Kanawha and Guyan Districts

Black Star, Comet, Molus and Bear Branch mines in Harlan county, Ky.

L. E. SOMERVILLE, Vice Pres. American Nat'l Bank Bldg. RICHMOND, VA.

OUR SPINNING RINGS--

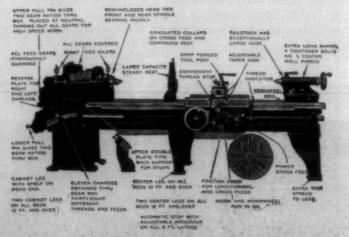
Start Easiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.

CENTRAL FALLS, R. I.

CISCO THE LATHE OF SIMPLIFIED ACCURACY

Made in 14" 16" 18" 20" 24" 26"



Sullivan Hardware Company Anderson, S. C.

Textile Mill Supplies

Textile Hardware

Expensive labor and high freight rates makes coal a big item in the cost of operation.

Discriminative buying is made a prime necessity by the present high cost of coal delivered at the plant.

WHITE OAK New River Smokeless Steam and Domestic Coals are sold guaranteed to meet the most exacting specifications.

Mine Run Domestic (egg and lump)

Stoker Smithing



White Oak Coal Co.

MACDONALD, W. VA.

2 Rector Street NEW YORK, N. Y.

SOUTHERN

Published Every Thursday by CLARK PUBLISHING COMPANY Offices: 39-41 S. Church St., Charlotte, N. C.

DAVID CLARK	g Editor
D. H. HILL, JRAssociat	te Editor
J. M. WOOLLEYBusiness	Manage

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Contributions on subjects pertaining to cotton, its manufacture and distribution, requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

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THURSDAY, SEPTEMBER 22, 1921

The Charlotte Meeting.

While the Charlotte meeting of the Southern Textile Association last Friday and Saturday was not quite up to the standard of other meetings, it was fairly well attended and the addresses were good.

The chief thing that worked a against the success of the meeting was the intense heat in the assembly room of the Selwyn Hotel, for it is hard to get much life into a meeting when the temperature is oppressive.

The first session was opened with address of welcome by Rogers W. ville, S. C., who is probably the most dues. Davis of Charlotte.

H. K. Hallet of Camden, S. C., delivered the response to the address the members were the guests of the of welcome.

were of an unusually high order and both were well delivered.

Winnsboro, S. C., presided.

The first address on the program

R. M. Mauldin of Charlotte, who explained the defects as seen by customers' complaints to the cotton varn merchants.

The discussion on this subject was led by Arthur M. Dixon of Gastonia, N. C. The next address was on "Defects of Cotton Goods" by Wm. H. Harriss of New York.

The discussion on that subject Durham, N. C.

Meeting adjourned at 12:45 o'clock. something to do with the matter.

Afternoon Session.

expert cotton breeder in the world.

Meeting adjourned at 4 o'clock and

Association dinner was held at the ples. President Gordon A. Johnstone of Charlotte Auditorium with about 275 present.

from the Piedmont Theater and by of the same cotton stalk both bolls an orchestra of Charlotte musicians. being fully matured.

After the dinner the members atsition.

Saturday Morning.

For some unknown reason B. E. 4-inch. Geer of Greenville, S. C., who was His statement created a sensation Dilling, chairman of the Carders' Di- fertilizer. vision, and Carl R. Harris, chairman If Mr. Coker is correct we are goof the Spinners' Division.

Meeting adjourned at 12:30 P. M.

After the adjournment there was sive amount of waste this year. a meeting of the Board of Governors at which it was decided to hold a the lower bolls will be much more meeting of the Spinners' Division at valuable this year than later pick-Gastonia, N. C., about the middle of ings, but unfortunately the bolls November.

Gompers "Bull."

Much publicity has been given to inch cotton from the lower bolls. the statements made by Samuel held in Charlotte on Thursday of year's cotton. this week.

They would relieve the South of child labor when there is no child labor as not only is the Federal Child Labor Law in effect but every Southern State prohibits the employment of children unde 14 years of age.

He knows that the prospects of better business will make further it is at least \$50 per bale less than it wage reductions unprofitable, they was led by John W. Clark of West are trying to fool the mill operatives into thinking that the union had

The real trouble is that the pay-The afternoon session was devoted ment of union dues has ceased and August 1, 1921, was 8,500,000 bales, of prayer by T. A. Sizemore of Green- to a very interesting discussion on a desperate effort is being made to ville, S. C., who was followed by an "Cotton" by D. R. Coker of Harts- get some excuse to collect more

A Startling Statement.

The address and the response an automobile ride around the city. Friday D. R. Coker displayed two ferior staple. At 6 o'clock the Southern Textile cards containing cotton staple sam-

The staple in the bottom bolls was tended the Made-in-Carolinas Expo- shown to be approximately inch cotton but that from the top bolls was in one case %-inch and in the other

to make the feature address, failed as he expressed the opinion that the to appear and the Saturday morning same situation existed to a large exsession was devoted to carding and tent throughout the South this year spinning discussions led by Marshall due to the weather and to lack of

> ing to have an excessive amount of short staple and therefore an exces-

> The first pickings if confined to have all opened at about the same time and the %-inch staple cotton will go into the same bale with the

It is a situation that may cause a Gompers and to the meeting to be preference and premium for last

Thirty-Cent Cotton.

Realizing fully that one man's guess on cotton is as good as another's, we are going to break our rule and express the opinion that the price of cotton will reach 30 cents some time this cotton year and that while the present price appears high will be some time this year.

Our opinion is based upon a study of the situation and is based upon the following facts.

1921-22 Supply. The carryover of which 26 per cent was of too low a grade to deliver upon New York contracts. Figures showing a higher carryover include linters which are not spinnable.

During his address before the The 1921 crop will be approxitextile interests of Charlotte during Southern Textile Association last mately 6,5000,000 bales of a very in-

> Total supply, 8,500,000 plus 6,500,-000 or 15,000,000 bales.

He stated that he had stopped his 1921-22 Consumption. The normal car twice between Gastonia and world's consumption of American The entertainment features were Charlotte and pulled bolls from the cotton as taken from the three years



1913-14, 14,250,000 bales.

It is reasonable to assume that the son. 1921-22 consumption will reach a total of 13,000,000 bales.

August 1, 1921 Carryover. We can not estimate a carryover August 1, 1921, of more than 2,000,000 to 3,000,- situation brought about by the rise 000 bales and yet that would mean of 100 per cent in raw cotton in that less than 500,000 bales would be "Birmingham Age," the cue being left with the farmers as it would be hard to reduce the cotton in transit the best known Southern mill men and at mills to less than 1,500,000 bales. You can never get to the last bale either in the mill warehouses or on the farms.

We believe that there are at least be secured from the farmers for less than 30 cents per pound, as much cotton is very strongly held.

If cotton were selling for \$1.00 per pound there are many farmers who year of 7,000,000 bales. There is a wold refuse to sell for less than crop of 7,000,000 bales of cotton comwold refuse to sell for less than \$1.10 and the man who thinks that 000 bales. the farmer who has carried his cot"This cotton is in the hands of the
ton through the recent depression is Southern people.. There has been the farmer who has carried his cotgoing to be a free seller is badly mistaken.

The speculator will see the situa-The speculator will see the situa- \$490,000,000. That much more tion as we see it now and specula- money exists in the cotton which the tive buying will greatly intensify a dangerous position.

From our study of the situation we do not hesitate to predict at least 30 cents cotton.

1922-23 Crop. We look upon the 1922-23 season as a long way off but the acreage of 1922, the greatest factor in the supply of cotton for 1922-23 will be decided in the next few months and will become an active speculative factor.

It is easy to say that the farmers will plant the face of the earth next year and raise a bumper crop.

They did not do it when they received averages of 27 and 28 cents ton, while the price tends higher. for the 1917 and 1918 crops or when they received 36 for the 1919 crop and they have learned that a big crop means low price. The spread will be a factor in the next acreage. cause

In order to supply the mills during the 1922-23 season we must plant and raise a crop of 13,000,000 equalled but once in the past six

In order to get a sufficient supply for 1921-22 the farmers must be induced to turn loose practically all of the cotton that they now hold.

In order to have a supply for 1922-23 we must plant and raise more cotton than has been raised in six years.

Left to the law of supply and demand the position would be dangerous but there is also the speculator who sees a rich harvest in taking to our friends and neighbors. advantage of such a situation.

000 bales; 1912-13, 14,750,000 bales; We do not hesitate to predict that cotton will reach 30 cents this sea-

Cotton Advance Enriched South by \$500,000,000, Says Comer.

The typical Southern view of the the cue being given by J. Donald Comer, one c The "Age" says. "The South \$500,000,000 better off than it was 10 days ago," said J. Donald Comer, vice president of the Avondale Mills Company.

The Avondale Mills Company not 3,000,000 bales of cotton that can not only operates cotton mills at Avondale in this city, but mills also at Alexander City, Eufaula, Sylacauga, Pell City and Sycamore. Mr. Comer put it pithily this way:

"There is a carryover from last ing in this fall. That makes 14,000,-

an advance of \$35 per bale of cotton in the past 10 days. Apply \$35 per bale to 14,000,000 bales and you have South has to sell today. The advance is not over with.

"This means that the Southern people have in sight \$500,000,000 more of money to spend, that much more on which to live. It is impossible for this money not to benefit everyone in more or less degree. There is some good in the advance in cotton for every one.

Van Williams, former Birmingham man, but who resides in the Piedmont section of North Carolina, ays the mills there have called their traveling men off the road.

It remains that the South has \$500,000,000 more of money in sight than it had 10 days ago by reason of the advance already made in cot-

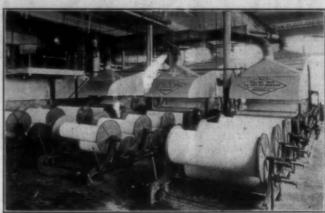
Gulf States Steel officials credit the great increase in August business in wire and fencing to the improvement in the cotton market and crop means low price. The spread the better feeling aroused in the of the boll weevil in the Carolinas agricultural sections from that

Mr. Comer recently stated that the Avondale Mills had worked every day this year and that the remainder of the group had worked every bales, an amount that has not been day this year with the exception of a period of three weeks.

Carolina, Tennessee and other Southern cotton mills recently re-ported to the Manufacturers Record operations on a full turn of 55 hours per week.

"Another thing about this advance in cotton, it has been a healthy one warranted by underlying conditions in which speculation does not enter.

The Southern mill men are as glad of the new found wealth for the South as the producers of cotton. We are of the South and willing to take our chances in getting our portion of whatever good comes instead of going out-for them.



Installation of Pickens Slasher Hoods at Saxon Mills, Spartanburg, S. C.

Improve Your Sizing Methods

Every slasher room has a great amount of heat and moisture in it, due to the sizing of the yarn and its proper drying.

Where this moisture and heat is not properly exhausted, the heat and moisture combined make the room almost unbearable to work in, and prevent efficient and satisfactory results.

All of these faults are overcome and more work and better results are obtained when you install

Pickens Slasher Hoods

- 1—The hood covers both cylinders, including the size-box. This causes the yarn to dry more readily than if the hood did not extend entirely over all of the slasher apparatus.
- The hood is divided into two compartments by means of a baffle. This baffle has a sub-baffle, which is adjustable to suit the various conditions under which the hood is worked.
- The hood has a slotted opening over the large cylinder and over the size-box. This opening runs the entire width the hood and picks the steam up in a row. As the steam is generated in a row it is very clear that this method has advantages over any other method.
- Connected to these slots or openings in hood are placed dome-shaped connections terminating into 12-inch round pipe or larger. Former tests prove that a 12-inch pipe connec-ed to each gives more satisfactory results than one 10-in and 15inch, as used in the two hood system.
- Extending entirely around the hood over size-box is a condensa-tion gutter. This catches the condensed steam or vapor and con-veys it into one tube, which prevents any water falling on the yarn and spoiling the same.
- 6—Hoods are made in sections, numbered consecutively. Any mechanic with a pair of plyers and a screw driver can replace any section that wears or rusts out.
- 7—Making the hoods in sections they are very easily shipped and erected anywhere. Erection being done by any mechanic.
- 8-All parts being interchangeable, the upkeep is very low.

Twenty years of experience has enabled us to produce the finest and most perfect hood on the market today.

> A Demonstration will prove this assertion-Do you want one?

FULL DETAILS ON REQUEST

R. O. Pickens Slasher Hood Co. SPARTANBURG, S. C.

MILL NEWS ITEMS OF INTEREST

this place, is interested in organiz- should arrive within the next two days a week until rain brings reing a company to establish a knit- or three weeks, and will be installed lief from the power shortage. The ting mill.

Columbia, Tenn.—The Columbia Cotton Mills, of Shelbyville, Tenn., have purchased 4,000 additional spindles and 50 looms which they install in their plant here.

Gaffney Manufacturing Co. This will give these mills a total of 1,868 looms and approximately 80,000 spindles, it is stated.

The new machinery is being installed in a section of the old-finishing plant. Fifty looms have already been erected and are in op-

Belton, S. C .- The Blair Mill, located about one mile from here, has recently been enlarged, having now a daily capacity of 350 dozen Turkish bath towels. The plant is said to be doing good business, partly with South America.

Kinston, N. C .- Full time operation of the Caswell Cotton Yarn were resumed on September Mills 49. The mills have been running four days a week. About 150 operatives are employed. The output of silk and heather hose at the Orion Knitting Mills at Kinston will be materially increased in the early future, it is stated.

Lenoir, N. C .- The Mortimer Cotton Mill is in operation with a small Some delay has been caused late shipments of machinery which ties up practically the entire plant. This machinery was shipped last week, according to H. J. Holbrook, of Hickory, who is at the

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Chattanogga, Tempessee

SYDNOR PUMP & WELL CO. Richmond, Va. Supplying Cotton Mills with Water for 30 Years

Warsaw, N. C .- J. K. Powell, of head of the mill. This machinery reopen Monday morning to run four W. C. Horton, Claude Wayne and W. operate at full capacity. The company plans to build additional houses for the workmen, Mr. Hol-brook says. However, the building of these houses is not planned before early in the coming year.

nis will erated. Fifty-three other mills on Hosch and R. L. Emerson, vice pres-f 1,868 the Carolina Company's lines are idents; C. O. Niblack, secretary; A. 80,000 similarly affected. The mills will A. Camp, J. F. Strange, L. F. Sell,

The local factories affected by the stoppage of power are the Puritan,

Albany, Ala.—Cooper, Wells & Co., of St. Joseph, Mo., will establish a branch plant here. They have rent- mills in this city are experiencing tors here it was decided to put this an enforced shut-down for two days great plant into operation again, and a huilding and will install 40 knitnomy program of the Carolina pow- new organization is composed of the Gaffney, S. C.—Two hundred and er company made necessary by low leading business men of northeast fifty looms and approximately 13,000 water in the streams from which Georgia. John M. Williams is prespindles are being installed by the the company's electric power is genident; Dr. W. L. DeLaPierrie, J. H.

T. Robertson, directors

This is one of the largest manuimmediately upon its arrival. When shut-down comes on the last two facturing plants in the South and its this is done, the mill will be able to days of the week. reopening will mean lots to the fi-nancial circles of the entire State. counts payable. Throughout year, the corporation was able to carry on its business without borrowing money from any source, according to a letter to stockholders President H. C. Fleitmann.

Profits for the year ending June

Union, S. C.—"An easy financial position is the pharse used in the annual statement of the Union-Buffalo Mills, issued late in the week, the corporation having no bills payable whatever and only small ac-30, 1921, totalled \$362,414.45. This figure, added to \$1,776,067.73, the surplus of June 30, 1921, of \$2,138,-482.18. From the \$586,287.50 were paid out in dividends on the first preferred stock. Provision of \$300,-000.00 was made for depreciation, and \$5,292.86 for Federal taxes, leaving a net surplus at the beginning of the new fiscal 'year of \$1,246,901.82. In his letter to stockholders President Fleitmann points out that this is a substantial reduction from the heavy surplus of 1920, which had been greatly increased as a result of the large profits of that year,

"The large profits made by your company during the first six months of its fiscal year were severely reduced by losses in inventory, due to the necessity of marking down values of cloth, cotton, supplies and store stocks." President Fleitmann states in a letter to stockholders: 'On June 30, however, all of these items had been reduced to the mar-ket price or cost, whichever was lower, so that the new year started with inventories at the very bottom.

This, of course, was reflected in

E. S. DRAPER

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MEES & MEES ENGINEERS

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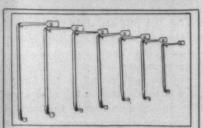
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Southern Spindle & Flyer Co.

Charlotte, N. C. W. H. MONTY, President W. H. HUTCHINS, Vice-Pres. & Sec. lowing for depreciation and Federal taxes, amounted to \$362,414.45. As the company paid out during the year nearly \$600,000.00 in dividends, the result has been to reduce the heavy surplus, which had been substantially increased as a result of the large profits of the preceding It will be noted from the statement, however, that the company has ample working capital and is in a very easy position financially, having no bills payable whatever and only small accounts payable. The company was able to carry on share, its business throughout the year For without borrowing money from any source whatever.

Quitman, Ga.-The Sale last week of the Quitman Cotton Mills to the Western Reserve Cotton Mills Company, of Kent, Ohio, is of extreme importance to this section from a business standpoint. The Western Reserve Cotton Mills Company is owned by the same people who own the Mason Tire and Rubber Com-pany, of Kent, and their plan is to acquire mills in the South for the manufacture of cord tire fabrics. President O. M. Mason, Vice Presi-dent H. W. Whitehead, A. Grund-

man, assistant secretary of the two corporations, and A. F. Smith, master mechanic, all arrived this week as soon as the formal transfer of the property was concluded at Forsyth, Ga., where the former owners, the Messrs. Newton, live.

President Mason returned to Cleveland, Ohio, this week, but Mr. Whitehead, Mr. Grundman and Mr. Smith will be here for some time organizing the mill and making the necessary changes and improvements. It is not known what figure was paid for the mill, but the for-

the years' earnings which, before al- mer owners considered a quarter of ture of a chemical paste for the pro- Manufacturers Association meet in a million a conservative valuation.

New Bedford Mills Pay Dividends.

New Bedford.-Not a single New poration passed its dividend, during the third quarter, while the distri-butions made were the most conservative of any quarter since the war. ization of \$53,663,500, or an average very slightly in excess of \$2.44 per

For the second quarter, the dis-bursement totalled \$1,384,234.50 on a total capitalization of \$52,618,500.

Claim Cotton Bales Can Be Made Non-Inflammable.

Ala.-The International Mobile. Cotton Protecting Company will dred members of the southeastern open a plant here for the manufac- division of the American Hosiery

tection of cototn from fire and rot- a called session at Charlotte on ting, it is announced by W. K. Tuesday. Two sessions were held, Sparks, of this city, who will be in morning and afternoon. The opencharge as sales mahager

Bedford cotton manufacturing cor- Company has been leased by the tions and consideration of some of poration passed its dividend, during new concern for its manufacturing the technical features of the indusplant, and the production of 1,000.-000 pounds of the paste annually will be made.

The paste is mixed with water Twenty-six corporations paid out a The paste is mixed with water total of only \$1,309,551 on a capital- and the cotton bale is dipped in a tank full of the liquid, which it is allowed to absorb for several inches, and cannot be set on fire it is claim-Hundreds of tests have been made, and the cotton bale is dipped in a tank pound has never been burned, the manufacturers claim.

Hosiery Men Meet in Charlotte.

Between seventy-five and one hundred members of the southeastern

ing meeting was devoted almost en-The old plant of the Mobile Steel tirely to a discussion of trade conditry. For the most part, members of the association expressed selves as being much more optimistic over the trade outlook than they were some months ago. raw cotton has brought about a condition the knitters believe will result in much improvement in their lines.

A. L. Patterson, president of the association, presided. The session was called at this time to give members an opportunity to attend the Made-in-Carolinas Exposition. meeting was for the most part executive and very little information was given out concerning it.

Cotton Mill in India Sold Well Ahead.

Montreal.-Refreshing news of a cotton mill so busy that it cannot even consider new business comes from Cawnpore, India State. Taking up the inquiry of a Montreal house for cotton manufactures of India, the Senior British Trade Commissioner's office here wrote to mills in that city. The Cawnpore Cotton Mills cabled a reply that they do not consider it advisable to submit samples of their manufacture just now, as the demand from existing con-nections for all kinds of goods is far more than can be coped with. Better still, they are already booked up with sufficient orders to keep machinery running for so considerable a time and inquiries are so numerous that if it were desirable bookings for still further ahead could be

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RUSSELL GRINNELL, President SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

Among Those Present.

(Continued from Page 23.) Potter, E. M., Sales Rep., S. K. F. Industries, Charlotte, N. C.

Purser, J. R., Sales Engineer, Char-Charlotte, N. C.

Quinn, F. D., Consolidated Textile Sizemore, Corp., Shelby, N. C. Spinn Quinn, Peter T., Draper Corp. Smith, M Rambow, W. E., Overseer of Twist-Wood

ing, Winnsboro, Mills, Winnsboro, S. C.

Reynolds, T. B., Supt. The , Margaret Mills, Huntsville, Ala.

Rhea, S. B., Chief Engr., Monaghan

Mill, Greenville, S. C. Richardson, O. L., Salesman, Terrell Machine Co., Charlotte,

Roberts J. R., Supt., Cora Cotton Mills, Kings Mountain, N. G. Robinson, E. C., Overseer of Spin-

" Overseer of Carding, Robinson, J. E. Wateree Mills, Camden, S. C.

Rogers, A. F., Dyer, Brown Mfg. Co., Concord, N. C.

Roper, A. D., Asst. Sec. and Treas., Jordan Mfg. Co., Toecane N. C. Roper, A. W., Spinner, Arista Mills, Winston-Salem, N. C.

Rothrock, Max V.

Ross, Wm. A., Overseer of Cloth Still, Fred L. Reynolds, J. W., Overseer Spinning, Johnston Mfg. Co., North Charlotte, N. C.

Room , Monarch Mill, Lockhart,

Room ,Monarch Mill, Lockhart, S. C. Co., Concord, N. C. Summey, S. A., Supt., Alexander Sanford, J. E., Asst. Supt., Leak, Wall & McRae, Rockingham, Strickland, C. H., Supt., Belton Mills, N. C.

Saunders, T. L., Sapa., Park Mills, Kings Mountain, N. C.

Shuford, J. H., Rep., Nat. Aniline & Chemical Co., Charlotte, N. C. Sims, R. E., Overseer of Weaving,

Supt., Spinning Co., Greenville, S. C.

Smith, Milton G., Salesman, T. B.

Smith, W. R., Salesman, A.Klipstein Tate, Co., Charlotte, N. C.

Snow, Geo. B.,

Brush Co., Atlanta, Ga. Solesbee, B. L., Overseer of Carding, French Broad Mfg. Co., Ashe- Thomas, C. H., Salesman, McClaveville, N. C.

Spake, J. O., Supt., Easley Cotton Thomas, Richard D., Jos. Mills No. 2, Liberty, S. C.

Spencer, R. Lee, Asst. Supt., Ruby inson, E. C., Overseer of Spin-ning, Mays Mills, Inc., Cramer-ton, N. C.

Cotton Mills, Gastonia, N. C.
Starnes, T. F., Sec. & Treas., Gastonia, Mill Supply Co., Gastonia,

States, L. A., Engr., Gastonia, N. C.
Stephens, W. A., Spinner, Durham
Cotton Mfg. Co., East Durham, Thompson, J. L., Overseer Carding,

Stevens, T. E., Gen. Overseer, Bear-skin Mill, Monroe, N. C. Still, B. L., Supt. Mills 1 and 3, Lan-

Overseer of Carding, Arcade Cotton Mills, Rock Hill, S. C.

Stirewalt. Jacob, Supt., Brown Mfg. Alexander

Belton, S. C.

Ring Traveler Co., Providence,

Proximity Mfg. Co., Greensboro, Taylor, W. C., Carder, Dunean Mills, Warner, C. H., Service Dept., Draper Greenville, S. C.

Terrell, E. A., Prest. and Treas., The Terrell Machine Co., Charlotte, NC

Wood's Sons Co., Chambersburg, Terryberry, E. M., Salesman, Howard Bros. Mfg. Co., Atlanta, Ga. C. C., Carding, Cliffside Mills,

Cliffside, N. C. Thomas, Arthur R., Ex. Sec., Abbe-Cotton Mills, Abbeville,

Brooks Co., Scranton, Pa.

Bros., Charlotte, N. C. Thomason, C. B., Salesman, Ashworth Bros., Gibsonville, N. C. Thomason, L. W., Sou. Agt. N. Y. &

N. J. Lub. Co., Charlotte N. C.

Thompson, S. L., Overseer of Fin-

Chadwick Mill, Charlotte, N. C.

Thompson, C. P., Supt., Trion Co., Tipton, F. E., Sou. Sales Mgr., To-ledo Scale Co., Charlotte, N. C. caster Cotton Mills, Lancaster, Todd, B. C. Supt. Ruby Cotton Mill, Gastonia, N. C.

Trinnan, Eugene H., Salesman, Dra-

Room, Pacific Mills , Columbia, S. C.

Vaughn, W. A., Office Mgr., A. B. Carter Sup. Co., Greenville, S. C. Van Zands, H., Corn Products Sales Co., Greenville, S. C.

Park Yarn Summerell, J. N., Apprentice, Mays Vaughan, Wm. P., Sou. Rep., U. S. in, N. C. Mills, Cramerton, N. C. Ring Traveler Co., Providence, at. Aniline & Taylor, G. D., Salesman, National R. I. Ring Traveler Co., Providence,

Wagstaff, O. L., Supt., Amazon Cotton Mills, Thomasville, N. C.

Corp., Atlanta, Ga.

Walters, L. B., Hoskins Spinning Mill No. 1, Chadwick-Hoskins, Charlotte, N. C. Trion, Ga

Warren, C. H., Draper Corp., Atlan-

ta, Ga. Webber, Ralph, Supt... Hawthorn Spinning Mill, Clover, S. C.

Weber, Geo. E., Jr., Salesman, Westinghouse Elec. Mfg. Co., Char-

lotte, N. C. White, H. W., Asst. Supt., Riverside & Dan River Mills, Danville, Va. Winget, H. G., Supt., Victory Yarn

Mills Co., Gastonia, N. C. Williams, C. G., Spinner, Mills Co., Westminster, S. C.

Williams, Frank, Overseer of Spinning, Brown Mfg. Co., Concord,

Williams, J. O., Supt., Spencer & Spindale Mill, Spindale, N. C. Williams, R. L., Engr. Dept., Clinch-

field Co., Spartanburg S. C. Williams, Smith, Salesman, Bahn-son Company, Winston-Salem,

Williams, W. N., Supt., Lincoln and Laboratory Mills, Lincolnton,

per Corp., Atlanta, Ga. — N. C.
Turbyfill, M. H., Overseer of Cloth Williams, W. B., Overseer of Weav-American Spinning Co., ing,

Greenville, S. C.
Williamson, J. E., Supt., Highland
Park Mfg. Co., Charlotte, N. C.
Wylie, H. Sid, Overseer of Weaving,

Hoskins Mills, Charlotte, N. C.

TOLHURST EXTRACTORS



are especially constructed for Rapid Operation and Quick Handling.

A 48-inch engine driven Tolhurst "Center-Slung" Open-top Patented Extractor arranged for unrestricted access, rapid loading and quick unloading. This machine is operating in a plant famous for the manufacture of hosiery, and is but one of the Tolhurst Machines used in this plant, the first having been installed in 1913. Detailed information relative to the remarkable service given by this and other Tolhurst Extractors in this and other plants will be sent those interested.

Tolhurst "Center-Slung" Extractors are constructed with baskets 40 inches and 48 inches in diameter and are arranged for motor, countershaft or engine drive. They have roller bearings, lubricated with grease. Catalogue on request.

TOLHURST MACHINE

Established 1852

New York Office, 111 Broadway

TROY, NEW YORK

Southern Representative, FRED H. WHITE, Realty Building, CHARLOTTE, N. C.

100 members of the Southern Textile Association. The interest and than the delicate nature of the fibers discussion was exceptionally good will stand. Ar and in the opinion of the committee recommended. much good was accomplished. The freely were pickers, cards, and drawing.

Pickers.

representations was from mills making a heavier class of goods than was the case at the Charlotte meeting but your committee feels that the recommendations made as a retors must be kept in good working sult of the Charlotte meeting was order to do their work properly." confirmed at Columbia. Of course necessary to use three processes of tance of opening and aging the cotpickers or to run the beaters at a ton after the English system. higher speed than is here recomlows:

"First-An efficient opening system, that is, one that will open the will be a large number who can cotton and restore it to its natural show definite results from these excondition. To accomplish this the periments. cotton must be opened and aired thoroughly, and I know of no better

it by striking or beating it harder

subjects that were discussed most enough to allow all the cotton to be the kind of goods being produced freely were pickers, cards, and cleaned instead of rushing it and the number of doublings securrushing

> bars set and adjusted to the stock breaking strength of the yarn. being run.

"Fifth-The eveners and regula-

One point that was stressed at the there are extreme cases where it is Columbia meeting was the impor-

Cards.

ety of opinions expressed the com-"That the two-process system of mittee is not in position to make any picking can be made as efficient as definite recommendations. I feel the three, but to do so it is necesthat there is a great field for ex-sary to have: the time of our next meeting there

Drawing.

way than to run it through a con- drawing was very interesting but which is not the case, there will be

(Marshall Dilling, Chairman, Gasthe cotton through by suction or cesses. At the Charlotte meeting the going to have this morning I do not sentiment was favorable to one prothink it best for us to the sentiment was held in Columbia S. C. The carders' sectional meeting "Second—Running the beaters at cess, the discussion having been up any new matters, but rather go was held in Columbia, S. C., August a speed that is just enough to clean largely from men representing new into a fuller discussion on several 19, 1921, and was attended by about the cotton and not enough to injure and combed yarn mills, while at Co-important things that were brought lumbia the sentiment was favorable up at the Atlanta meeting and left to two processes, the discussion havwill stand. Around 1,000 R. P. M. is ing been from men largely repre-recommended. senting carded and heavy goods "Third—Feeding slow and light mills. It can be readily seen that through so rapidly that only part of ed on other machines can have a the cotton is cleaned, and that only great deal to do with this question. The discussion on pickers brought partly cleaned.

It is recommended that experiments out the fact that a large part of the Lton \$9)..-1 7 shrdlu auu auadlu be continued and that accurate data representations was from mills "Fourth—Have the rolls and grid be kept as to the evenness and

Discussions on Spinning.

(Carl R. Harris, Chairman, Committee on spinning, Southern Textile Association.)

As we have not had a sectional meeting of the spinners since the meeting in Atlanta I was not expectmended, but as a general thing I We had an interesting discussion ing to be called upon to take a very wish to repeat the recommendations on licker-in speeds and feed-plate active part in the program at this made at Atlanta, which are as fol- settings but on account of the vari- time. But on being informed that we would be allowed some time for discussions on spinning I wrote a number of men requesting that they send me a list of a few things which ry."

> Some of the men misunderstood me to mean that we were holding The discussion on the subject of the sectional meeting at this time,

unfinished, and then at the sectional meeting bring up these other things for consideration.

good many of the questions which I received were on things that we have had up before, such as, No. 1 flange ring, spindle speed, weight of spinning bands, overhauling, etc. But one of the most noteworthy facts and one that shows that we are making progress, is that a good many of these questions showed that this association is gradually being looked to for help in solving individual problems.

On man made a suggestion that I think is very good. Instead of confining so much of our time to discussions dealing with the merits and demerits of various kinds of equipment, we should first thresh out uniform methods of efficient work on our present, or any equipment. As he says "any one can make time a Pierce-Arrow, what should endeavor to do is help the man who has to drive a John Henry." Of course there is an excepthey would like to have brought up tion to this, in case where a mill is at this meeting. And, right here, I contemplating putting in new equip-would like to thank them for the ment and asks for information, I think it is the duty of this association to render all possible aid, and we have a case of that kind which will be brought up this morning.

(Continued on Page 34.)



Te

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TALLOW-OILS-GUMS-COMPOUNDS

ALSO HOSIERY FINISHING AND BLEACHINGS L, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Readymade eavy Size, Sago. and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.



The Arabol Manufacturing Co.

Offices: 100 William Street, New York Southern Agent: Cameron MacRae, Concord, N. C. GUY L. MELCHOR, Ga., Ala. and Tenn. Agent, Atlanta Ga.

Continued from Page 21.) denims, khaki cloth, khaki shirtings, bleached canton flannels, unbleached canton flannels, solid color double exhibit will be to have four bales of sheets and pillow cases, etc. nap flannels, piece dyed extract drills, piece dyed indigo shirtings, indigo chambrays, cheviots and shirtings, indigo staple ginghams, fancy outings, storm flannels, tickings, wide domets, both plain and fancy, etc.

hibited in the finished state. Brandon Mills.

The Brandon Mills, Greenville, S., expect principally to show samand finished state

Baldwin Cotton Mills.
The Baldwin Mills, Chester, S. C., etc.
will show their line of gray and finished goods. This will be in con-

Exhibits to Be Shown at Textile nection with the Aragon Cotton Greenville, plans to exhibit shirt- of goods which they manufacture, Products Show.

Mills, the Arcade Cotton Mills, and ings with both colored stripes and most of which are for export trade. the Blue Buckle Cotton Mills of dobby effects; underwear materials, There will be 30-inch drills, and 36-post Hills. Rock Hill.

Belton Mills.

extract goods as put up for export of their 4.70 and 3.00 yard sheetings, the bales to be marked as they would be marked for shipment to Aden, Bombay, Shanghai and Manila, and then to have cuts of cloth as contained in these bales showing the their fancy tissue ginghams and silk branding and general appearance of filled skirt goods. They are spethe cloth, also head-ends of different constructions of cloth as manufactured by them, and in addition ples of the different cloths which they hope to have some of the fin-they make in both the unfinished ished products after it has been handled by the converters, such as finished bed sheets, pillow cases,

Victor Monaghan Company.

mestic and foreign trade, oilcloth of skein, tube and cone yarns, and shade cloths, bed spreads, The Merrimack Mfg. Co.

Judson Mills.

2083 and 2084.

In these spaces they will show filled skirt goods. They are specializing at present in the manufac-ture of tissues and hope to have some very attractive patterns on display.

Piedmont Manufacturing Co.

The Piedmont Manufacturing Co4 Piedmont, S. C., manufacturers of plain weaves, will have on exhibit The Victor-Monaghan Company, about 14 different kinds and brands

fine and coarse; sheetings, both do- inch sheetings, and also a showing

The Merrimack Mfg. Co.

The Merrimack Manufacturing Company, Huntsville, Ala., will show The Judson Mills, Greenville, will a complete line of the products of have an exhibit in spaces 2077, 2078, their mill, consisting of various grades of mens' wear corduroys, various moleskins and fustian cloths of different weaves and shades; also a very complete range of khaki cloths in different weights shades. There will also be exhibited various grey goods and there will also be included velveteens and plushes in various grades and shades; all the above being the product of the Merrimack Manufactur-ing Company. The exhibit will be ing Company. in charge of Lawrence & Co., New York, selling agents.

Spartan Sizing Compound Co. Inc.

WITHERPSOON & WITHERSPOON.

SPARTANBURG, S. C.

Manufacturers of Spartan Compounds, Tallows and Gums

VICTOR MILL STARCH - The Weaver's Friend



It boils thin, penetrates the warps and carries the weight into cloth. It means good running work, satisfied help and one hundred per cent production.

We are in a position now to offer prompt shipments.

THE KEEVER STARCH COMPANY

COLUMBUS, OHIO

Southern Representatives:

James H. Maxwell, Greenville, S. C.

J. J. Her, Greenville, S. C

D. H. Wallace, Birm ingham, Ala.

Textile Exhibits at Made-in-Caro- the visitors... linas Exposition.

(Continued from Page 20.) Association who visited the booth

of Winston-Salem, N. C., in- and softeners for textile mills. cluded one of their humidifier heads which was kept in operation and Charlotte, manufacturers of dust which created much interest from collectors and conveying systems the large number of mill men and other visitors.

The Gray-Separk chain of mills, of Gastonia, N. C., had a very large display of combed yarns which are

manufactured by the various mills controlled by these interests.

Mills at Belmont, N. C., including the Imperial, Chronicle, Majestic, Climax, and National Yarn Mills, manufacturers of combed yarns, had an exhibit showing these yarns in a an exhibit showing these yarns in a large number of counts.

The Taylor Hosiery Mills, Hickory, N. C., showed a full line of hosiery made at these mills.

The Fidelity Hosiery Mills, Newton, N. C., had on exhibit numerous samples of their hosiery and also a line of paper boxes which they also manufacture,

The Armstrong chain of mills, Gastonia, N. C., manufacturers of combed yarns, had a large exhibit showing yarns from practically all of the mills controlled by this com-

Leaksville Woolen Mills showed a line of blankets and slasher cloths which were made at their Charlotte plant. The display of blankets proved of unusual interest to

The Barnhardt Manufacturing Co., and damask, had a very attractive Charlotte, showed a large line of exhibit of their products. cotton bats and felts.

The Tryon Chemical Company, of commented very favorably upon the Tryon, N. C., had a very attractive and cott quality of the bobbins.

Example of the Eahnson Com- of their line of soaps, soluble oils

The Commented very favorably upon the Tryon, N. C., had a very attractive and cott quality of the bobbins.

The exhibit of the Bahnson Com- of their line of soaps, soluble oils

> The J. N. McCausland Company, collectors and conveying systems for cotton mills and other plants, had an interesting exhibit showing their machines in operation. The mills of R. G. Rankin, Gas-

> ton county, showed a large number of yarn samples from the several plants of this company.

The McLean Mfg. Co., Bessemer

City, N. C., manufacturers of duck machines which they make.

and cotton goods which they manu- products

The Terrell Machinery Company, Charlotte, manufacturers of the "Utsman" quill cleaner and of a bobbin stripper, had miniature mod- ture. els of these machines in their exhibit. They attracted much attention and favorable comment from the large number of mill men who saw the display.

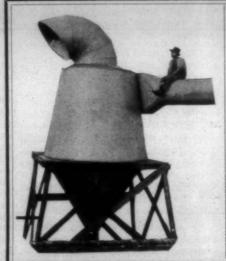
had a large exhibit showing various

The Cement Products Company, of Wilmington, N. C., manufacturers The McAden Mills, McAdenville, of sanitary sewage disposal systems, N. C., showed a line of colored yarns had an interesting exhibit of their

The Charlotte Leather Belting Co., Charlotte, had an extensive showing of leather belts, loom straps other products which they manufac-

French Cotton Goods Higher.

Paris .- According to advices reaching important French Alexander and Garsed, of Char- Commissionaines, cotton mills of lotte, manufacturers and distribu- this country have increased their tors of textile and other machinery, prices on spot goods by 30 per cent



J. N. McCausland & Co.

Manufacturers of

Planing Mill Exhaust Systems Cotton Mill Conveying Systems Slasher Hoods and Exhausts Casings for Chain Drives Ventilators, Skylights or Anything in Sheet Metal

221 S. Tryon St.

CHARLOTTE, N. C.

See our Exhibit at Carolinas Exposition, Charlotte, N. C., September 12-29

To The Textile Industry

The International Textile Exposition

Will Be Held at BOSTON, MASS Oct. 31st to Nov. 5th

The INTERNATIONAL TEXTILE EXPOSITION is an ideal place for buyer and seller to meet---and permits the practical demonstration of new and improved machinery, appliances and accessories.

> The largest EXHIBITS of Cotton, Woolen Knitting Machinery and General Textile Products ever held in the World.

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Between the South and Washington and New York

Northbound				SCHEDULES BEGINNING AUGUST 14, 1921		Southbound				
No. 36	No. 138	No. 38	No. 30		ATLANTA, GA.	No. 29	No. 37	No. 137	No. 35	
12.00Night	11.30AM	12.30 noon		Iv	Terminal Station (Cant. Time) ar		5.50PM	4.50PM	5.25AM	
12.10AM	11.40AM	12.40PM	4.00PM	Iv	Peachtree Station (Cent. Time) ar	10.5SAM	5.30PM	4.30PM	5.05AM	
6.15AM	4.50 PM	5.50PM	9.35PM	AF	GREENVILLE, S. C. (East. Time) lv	7.00AM	2.10PM	1.00PM	1.05AM	
7.35AM	5.55PM	6.SSPM	10.40 PM	ar	SPARTANBURG, S. C. Iv	5.50AM	1.00PM	11.52AM	11.45PM	
10.05AM	8.05PM	9.05PM	12.55AM	Ar	CHARLOTTE, N. C. Iv	3.25AM	10.40AM	9.30AM	9.05PM	
11.45AM	9.20PM	10.20PM	2.20AM	AT	SALISBURY, N. C. Iv	2.05AM	9.20AM	8.10AM	7.45PM	
1.05PM	10.29PM	11.20PM	3.23AM	ar	High Point, N. C. Iv	12.45AM	8.02AM	7.02AM	6.27PM	
1.30PM	10.50PM	11.41PM	3.44AM	AP	GREENSBORO, N. C. Jv	12.15AM	7.35AM	6.35AM	5.58PM	
2.40PM	9.00AM	9.00AM	9.00AM	ar	Winston-Salem, N. C. lv	8.50PM	5.30 AM	5.30AM	3.05PM	
5.35PM	4.00AM	4.00AM	10.45AM	AF	Raleigh, N. C. lv	7.00 PM	12.40AM	12.40AM	8.52AM	
2.58PM	12.06AM	1.00AM	5.04AM	3.6	DANVILLE, VA. Iv	10.52PM	6.10AM	5.05AM	4.15PM	
Salathina)	9.00AM	1-14-22	4.30 PM	18	Norfolk, Va. lv	7.35AM	6.30PM	6.30PM		
9.35PM	7.10AM	7.10AM	1.40PM	ar	Richmond, Va. lv	3.45PM	11.00PM	11.00PM	7.45AM	
5.17 PM	2.16AM	3.10AM	7.05AM	AF	LYNCHBURG, VA. Iv	9.00 PM	4.1SAM	3.05AM	2.25PM	
11.00PM	7.40AM	8.40AM	12.35PM	ar	WASHINGTON, D. C. ly	3.30PM	10.SSPM	9.50PM	9.00AM	
1.50AM	9.05AM	10.05AM	2.00PM	ar	BALTMORE, MD., Penna. Sya. Iv	1.53PM	9.30PM	8.12PM	6.05AM	
4.15AM	11.13AM	12.20PM	4.05PM	AF	West PHILADELPHIA lv	11.38AM	7.14PM	5.47PM	3.20AM	
4.35AM	11.24AM	12.35PM	4.17PM	MF.	North PHILADELPHIA IV	11.24AM	7.02PM	5.35PM	3.04AM	
6.45AM	1.30PM	2.40PM	6.10PM	ar	NEW YORK, Penna. System lv	9.15AM	5.05PM	3.35PM	12.30Nght	
EQUIPMENT										

ON, ATLANTA & NEW ORLEANS EXPRESS. Draw of Washington and New York. Dining car. Coaches. Stetlen only at Atlants and Coaches train with "COLONIAL EXPRESS," through train to



SOUTHERN RAILWAY SYSTEM





Discussion on Spinning.

(Continued from Page 31.)

Before going into the discussions wish to state that a list of questions which will be brought up at the next sectional meeting will be published. And I would like for ev-ery man here and by all means every spinner to familiarize himself with them and come to the meeting loaded with information.

I have an inquiry as follows: would be very much interested in hearing the ideal spinning frame for No. 15's yarn taken up as we are contemplating putting in some frames. And I would like to hear in some from some of the fellows as to best traverse length, size of ring, ring flange, space and number of spindle per side. The association decided that the ideal frame would be as follows:

Tape or band drive? Plain or clutch spindle? Traverse length? Size of ring? No. 1 or No. 2 flange? Space? Number of spindles per side?

At the Atlanta meeting we found quite a varied opinion as to the care of idler pulley bearings on the tape Mr. Dilling was asking for drive. information and I would like to ask him if since that time he has found out any more on this subject?

Mr. Johnstone stated that with the tape drive you could run less spin-dle speed than with the band drive. This would mean a saving in several ways and as we did not get to go into this very much at that time I think it is well worth our time to get more information along this line.

The question of the life of a tape and band, and proper means of fastening the tape to prolong its service received quite a little attention, but there seemed to be no ready information on the matter. We would like to have more discussion on this.

How many can tell us how long tape will last?

How long will a band last?

List of Questions Received. Which Some Will Be Brought Up at the Sectional Meeting.

Q. 26's yarn made from %-inch staple cotton shows thick and thin places, is it possible to stop this on this staple?

Q. Which gives the best results in spinning Nos. 30's and 40's, a No. 1 flange ring or a No. 2?

What are the advantages and pounds. disadvantages of changing warp yarn to filling wind?

Q. What is the best spindle speed to run on 30's warp? On 40's filling?

Q. Which is the best, running filling traverse up slow and down fast, or vice versa?

Q. What is best a double flange ring or single, using double on both sides?

Q. What length should traverse be on 40's filling?

Q. Does the speed of spindles have numbers?

Q. What makes yarn on warp beat day and night.

up and get fuzzy at the bottom of bobbin and what will stop it?

Q. What is the proper weight for spinning bands?

Q. Which lets through more gouts, plain spooler guide or saw tooth? a

Q. What is the proper amount of twist for 23's yarn, staple cotton, 14 inch, carded stock for cord tire fabric? And what twist for five-What twist for 15-ply? ply?

Q. How many rollers should be used on 52 frames of 216 and 240 spindles making 29.5s' to 41's yarn for a period of 60 hours?

Q. Why is a frame on filling wind more liable to make cockled yarn than a frame on warp wind?

Q. How many yards per minute should a beam warper on 30's yarn produce?

Q. Does it pay to overhaul and clean steel rolls every year and by

contract or have regular crew?

Q. Has any one tested the efficiency of oils to overcome the dropping of bands?

Q. When bands are properly made and tied on what causes them to drop off?

Q. Would uniform methods of work and a uniform standard of work in the Southern cotton mills have a tendency to stabilize labor?

Q. What is the best oil for spindles and how often should they be oiled?

Q. How many threads per inch should be laid on bobbin of 30s warp yarn?

Q. Has the past unpopularity of spinning work been due to the girls being overloaded? If so what is the remedy?

O. How much is a spinner's job?

Improvement in New England Mills,

Boston.-The predicted fall boom in the textile industry has begun.

It developed almost overnight. The government report of a 49.3 per cent cotton crop and a great increase in wool consumption are the principal factors which have stirred up markets, with consequent stimulation of manufacturing.

Cotton brokers and manufacturers who were spurning 11-cent cotton a month ago are now scrambling to buy at 18 cents a pound and betting that it will hit 22 within two months. The woolen and worsted manufacturing industry has come out of the slump, wool consumption in the United States having jumped from approximately 24,000,000 pounds a month to approximately 60,000,000

Expect Return to Normal.

Textile authorities believe that this recovery is but a forerunner of a similar return to normal in the other industries of country, pointing out that the chief handicap against such a return has been a general lack of confidence and absence of leadership.

Reports from the great textile cities of New England show that the demand for textiles has reached such strength as to bring mill operaanything to do with the variation of tion close to 90 per cent normal. The numbers? Q. Is a draft of 9.80 on 30's warp ning, or about to run, on full-time basis, and some of them are running

(Continued from Page 18.) ish Cotton Industrial Research As- more complete understanding sociation.

known. ward not forward. Just as long as they do most vital in the long run to mental process with precedent. the world's affairs. We all know lawyers who are more interested in the intricacies of law than in securing justice. There are doctors, perhaps, who see in preventive medicine a danger to their practice. And cussed, the minister is not half rare enough In co the minister is not half rare enough if more interested in the complicater's Record has said, "It is time to ed questions of theology than in carplay ball." Never before in the hisrying convictions in regard to the Living God. And in the business world the great indictment has been that men have been more interested personally in acquisitiveness than in adding to the economic wealth of ern Textile Association can look forto the world's economic wealth by expanding our research work.

It is possible we can accomplish a miracle. A negro preacher explained a miracle to his congregation as follows:

"Hah breth'n an' sisters. A's gwine to 'splain a merrical.

"Ef you wiz to see er cow in er facts; fourth, by a field 'long side ob de road, dat ain't knowledge of costs. no merrical.

tle, dat ain't no merrical

singin' in er tree top; dat ain't no to the association. merrical.

"But ef you all wuz to see dat "It isn't the cut of the clothes that cow squattin' smack on top of dat you wear, sharp thistle and singin' like dat l'il Nor the stuff out of which they are bird, dat sure would be a fus-class merrical!

Second: There is a problem which sist materially, namely, the question of wage studies. Men are not born equal bu they should be rewarded according to the service rendered. It isn't a question of prestige or Several schemes have recently been rank, advanced to the care of these inequalities but I believe they are too It isn't the servants that come at complicated at present for the majority of operatives to figure out, which we know is a fair way. The rate, however, should be carefully

of our work during the present and future business outlook we need to know business, or economic facts as well as manufacturing facts. We could, perhaps, be better informed or forewarned as to the trend of Nor a question of doctrine or creed, business cycles by watching certain It isn't a question of fame or retrade barometers or groups of finannown, cial, industrial and agricultural statistics. Some of us possibly have not the time to follow these trade indicators as closely as others, so And he who gives heed to distress, why not get men of authority to talk For it's service that measures sucat some of our meetings along these cess." economic lines. Because, by having a knowledge of these principles we Once more, Mr. Davis, let me would be better able to talk to the thank you for your cordial and hosperatives upon business conditions. pitable wlcome to Charlotte.

Response to Address of Welcome. Lay the cards upon the table, your costs and other problems, illuminating if you never have tried it at the your manufacturing questions. It. As President Hopkins of Dart- perhaps, has not been done in the mouth College said, "The acme of past but why should we always fol-ambition (during the middle ages) low precedent? Why is Henry Ford was to know as much as men before called the Industrial Wizard of to-The look was back- day, because as John H. VanDeventer said, "His success has been due men look at things they do as ends to his combination of resourceful-in themselves they will lack the per- ness with the ability to think from spective which will make the work cause to effect without obscuring his

> Fourth: Costs, a word which has caused many a worry during the last year, yet there could be a more complete and beneficial understanding of this subject if properly dis-

tory of the South has there been more building going on, churches, schools, dwellings, etc. This same spirit applied in business channels can quicken the business activities of the whole South. Now is the time Now, we of the South- to get ready for the boom and the association can do its part by: First, ward and not backward and can add increased interest in the sectional meetings and the development of pioneers in the common sense question of time studies of different mill operations and new ideas of machinery through research; second, intelligent study of wages; third, by broadening the interest of its men in business and current economic facts; fourth, by a more intelligent

Through this association we have "An' if you wuz furder 'long dat a field unsurpassed anywhere in the road and seen a big sharp, pink this-country for the development of incountry for the development of industrial leadership and talent; and "An' if you all walked furder 'long we can benefit ourselves and the dat road and heard a teeny li'l bird mills we represent by giving service

made. Though chosen with taste and fas-

tidious care, we certainly are in a position to as- It isn't the size of your pile in the bank.

And it isn't the price that you paid; Nor the number of acres you own,

Nor of sinew and muscle and bone;

your call, It isn't the things you possess, Whether many or little, or nothing

at all. studied before applying.

It's service that measures success.

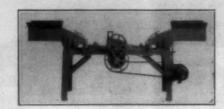
Third: For the better handling It isn't a question of name, or length It's service that measures success Of ancestral pedigree,

Nor a question of mental vigor and strength,

Nor a question of social degree; It isn't a question of city or town,

Nor a question of valorous deed; But he who makes somebody happy each day,

Once more, Mr. Davis, let me



Follow the Rainbow

The first carefully prepared advertisement was the RAINBOW-It was worked in colors.

It told the world that the forty days and forty nights of rain had ceased.

When business came easy everyone painted it in the brightest of colors. When conditions changed, then everybody began to use black ink and picture conditions in the blackest of clouds.

It wasn't that business had disappeared. It was simply that business conditions had changed.

Everyone had followed the path of least resistance. The easy way. When business began coming hard, nothing was seen but black clouds.

In business today we need to follow the bright rays of the Rainbow. Business is good; it's going to get better. But it requires work, plenty of work and hard work to accomplish results. It's up to us to get results.

> 260 textile mills in the United States and Canada were wise as to what was coming. That's why they installed one or more "UTSMAN" Quill Cleaning Machines.

> > IT'S AN EXAMPLE YOU SHOULD FOLLOW

The TERRELL MACHINE Co.

Charlotte,

N. C.



Standard Size of the South

Mildew, bleach and dye troubles are unknown to mills! using Sizol

> THE SEYDEL MFG. COMPANY JERSEY CITY, N. J.

Sizings

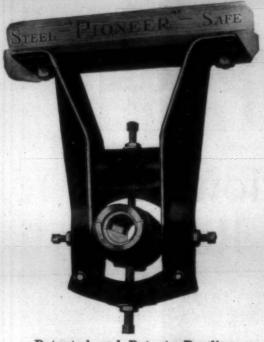
Softeners

Finishings

S. C. Thomas and C. C. Clark, Spartanburg, S. C.

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Remember the safe equipment of your plant is just as important as safeguards. Steel shaft hangers are an important requisite in SECURING CONDITIONS OF SAFETY in the operation of your plant. Steel hangers are just as necessary for preventing accidents as are guards and goggles. A steel hanger does not break. A cast iron hanger is liable to break at any time and let fall couplings, pulleys and belts on your employes. No plant can be considered safe where such danger exists. Progressive manufacturers and those having charge of accident prevention work are installing

Unbreakable "Pioneer" Steel Shaft Hangers

in their plants because they furnish the safest possible hanger conditions. Do not wait until a serious accident convinces you. Equip your plant for 1920 with the Unbreakable "PIONEER" Steel hanger. Your inquiry will receive our careful and prompt attention.

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IDEAL POWER TRANSMISSION

Standard Pressed Steel Company

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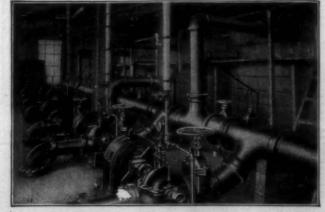
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All De Laval Centrifugal Pumps are guaranteed as to efficiency and other characteristics and are tested before leaving the works, to insure that the guarantees are fulfilled.

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We think little need be said about the quality of this Can—the fact that it's a Laminar guarantees that it will be on the job years from now.

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LOOM FIXIN

Written exclusively for Southern Textile Bulletin by "Old Fixer", a man who has had long & varied experience in this work

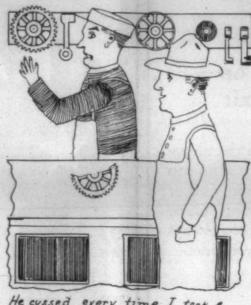
13-The Competent Loom Fixer. In the last article reference was made to the incompetent loom fixer who does botch work and is careless about the upkeep of the looms of his section. All mill men have met with both classes of fixers. this article we will refer to the competent fixer who strives to keep looms of his sections running to the best advantage for the mill and the weaver. The competent loom fixer is the one who makes a regular inspection of his looms and does not wait for something to break down or the weaver to bother him several times before he undertakes to do some repair work or adjusting. There are fixers who will notice a belt about to break and relace it before it does and some who will let the belt run until the last lace leather is pulled out of the splice and the loom stopped. There are also men who will not adjust or repair any part of the loom they know is giving out until the actual break occurs. Other men will look ahead and adjust and re-pair in season to prevent delays. The fixer who keeps ahead of his work on his looms is the one who is considered competent and who is the man most desired. The competent fixer will examine the bearings of his looms at intervals to see if any of the parts are dry through lack of lubrication. The weavers do not always oil the bearings regularly and hot boxes result. A hot box means that there will be delay and annoyance. The looose pulley of the driving shaft should be oiled regularly and often the overlook this part. weavers

I used to make it a practice of looking over all of the loose pulleys on my section at least once a week. I saved many a hot box by this precaution. The girls will oil the parts of the loom they can see and reach easily, but many are inclined to avoid the parts that are difficult and sometimes dangerous to reach like the swiftly revolving loose pulley of the driving shaft of the loom. They are afraid of getting caught in the belt.

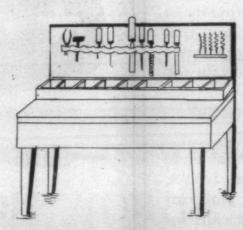
Always Some Discouragements.

The competent loom fixer will replace any broken or worn casting of his looms when required. But I have worked in mills where the machinist in charge of the supply department has not encouraged this sort of proceeding. I remember one supply department machinist who cussed every time I took a broken or worn gear or casting to him to exchange for a new one. He would insist that the broken part had been hit with a hammer or otherwise damaged by the carelessness of the He would object to exchanging anything new for an old part and often sent us back to make the partly worn casting do further service even to the detriment of the good running qualities of the loom.

New fixers are liable to get discouraged under such conditions and



He cussed every time I took & broken gear to him.



will endeavor to make a worn cast- much additional overhauling to do. ing do rather than face the cross The Competent Fixer Will Keep His supply man. I have seen fixers resort to patching of broken parts in Once I made an immediate hit order to avoid asking for a new with the superintendent of a cotton piece. As soon as a fixer begins mill by putting the toools of the

piecing up with wires and strings, work bench in order. The man who his looms are not being kept up held the place before me was a and his successor will have that good average fixer but lacked order

when it came to tools and equipment. The day I took charge of his section I found the tools, bolts, wires, nails and all kinds of broken castings and loom pickers scattered about on the bench, in boxes in the drawerss and about the floor. It required several minutes' time to find a screw driver or a wrench with which to fix a loom. ered up the mass of stuff and then proceeded to make places for every-thing on the bench in an orderly way. I put on a back board to the bench and nailed on a leather strap about one inch wide with loops to hold the tools in rotation and in a handy condition to get at. I put up a little wooden shelf with holes for the several bits which were formerly loose. I also made a long box for the back of the bench, with partitions for all of the different sizes of bolts, screws, rivets and small stuff. The next day the superintendent came through the room and stopped and loooked at the bench. He had been accustomed to seeing everything is a disorderly condition and was much pleased to see the improvement. He said "You have your tools in-order. The other man used to loose considerable time trying to find his tools. He mever knew where his tools were." I was much elated to be thus complimentand ever since that time I have endeavored to keep my bench in or-

The Competent Fixer Considers the Upkeep of His Looms.

We have all met with the fixer who does not expect to hold his position very long and patches up his looms so that they will run from day to day. The old-time tramp loom fixer is rarely met with now, but there are still a few of the fraternity who prefer to travei from mill to mill and town to town, year after year, to remaining in one position any length of time. married man cannot conveniently do this, but the single man often gets the changing idea in his head and that is one reason why overseers prefer the married man .. The fixer who goes from one job to another frequently does not give the maintenance of his looms much consid-He always has in mind the fact that he is going to quit soon and that it will not be worth while to do a good, lasting job. Therefore, his looms gets run down. It is the opposite with the competent fixer, for he strives to maintain a high standard at all times and the result is that his section of looms are kept up and in good running order.

(To Be Continued)

CAUSTIC SODA—LYE—SODA ASH BLEACHING POWDER — BI-CAR-BONATE OF SODA SOAP POWDER—AND OTHER CHEMICALS WRITE FOR PRICES AND PARTIC-ULARS PAINE CHEMICAL COMPANY ATHENS, GA.

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Cotton Yarn Defects.

3-ounce and 5-ounce skeins for 6-

Most of the trouble in knitting yarn developes from being unevenly best tests we have found for cases spun, not true to number, and from is to fill the case with yarn, place it the yarn containing too much leaf on top of another case and drop it and foreign matter. Conditioning of on the floor, so that it will fall on knitting yarn is very important, and the corner; and do this three times. one to which a mill should give care
If the case does not give way, it ful attention, as the yarn should be should reach its destination in good properly conditioned to get the re-shape. If you will do this, you may quired results. But a mill should rest assured that most of your not try to sell water. A knitter is cases will arrive at destination in very particular about the yarn he buys and the reputation of your mill is at stake all the time, for a knit-should be taken to see that the beam. One of the most promising marting customer will not use yarn is tightly and evenly wound of even kets for cotton yarn today is the exwith which they have previously selvage and that the proper yardage port business and the packing of expectations are the beam. Reams having port shipments is vital to the suc-

One of the most important facts I want to mention today is the quesentirely too frail, and when a complaint is made, the only answer we get as a rule, is that they have never had a complaint before on the cases, and that the transportation com-pany handled the cases too rough weight of yarn, and the cases should be made from %-inch lumber to stand the rough handling they get. Some of you probably do not realize

(Continued from Page 14.): cases for the customer. Cases has developed several times from should have reinforced heads, and mills shipping 2½-ounce skeins for should be strapped with steel bands at each end, but in no instance shape. If you will do this, you may rest assured that most of your good shape, and without complaints.

is on the beam. Beams having wooden, wrought iron or pressed that in some instances, cases are heads and sewed in place. Around withdrawn, one thickness of burlap doubtedly obtain good results. The shipped two or three times, and in each head should be a padding of or paper will most likely cover the British spindles have catered to this other instances, the customers want burlap or cotton packing to form a hole in the other thickness and pretrade for some time by finding out to use the cases to ship their goods cushion to prevent the head from vent dirt from reaching the yarn. (Continued on Page 42)

in. Many times a mill gets the pref- digging into another beam next to it The bales should be tightly comcleats so as to prevent moving.

In packing bales care should be should a steel band be placed around taken to see that they are lined with the center of the case. One of the paper to keep out dirt and the bale should be closely sewed all around to prevent pulling open. The burlap on the head of the bale should overlap the sides and be tucked in three or four inches; then if the stitches pull out, the yarn will still hook holes and the bales should be firmly reinforced with a sufficient number of bands to prevent damage

port shipments is vital to the success of this business. If you stop fibre heads should be used as cast to consider that the yarn must be tion of packing yarn for shipment, iron heads are easily broken in tran-handled a dozen different times by Many mills pack in cases which are sit causing not only a loss to the rail, truck and boat, and in many spinner, but serious trouble for the instances travels almost entirely customer. The packing of section around the world, you can easily beams is particularly important to see why it must be properly packed. beams is particularly hipotean. Two The bales should be lined with two their customs, it is vicinity prevent damage to the yarn. Two The bales should be lined with two their customs, it is vicinity prevent damage to the yarn. Two The bales should be lined with two their customs, it is vicinity and their customs and their customs are customs are customs. in this instance. Cases should weigh closely between the heads, and this heavy burlap. If you will pack a they require. Many of them will between 300 and 350 pounds net paper paper either tied or held to-bale and use a hook on it, you will want to buy odd numbers and odd gether by stickers to keep dirt off see the importance of two thick- putups, and in many instances, spe-

erence on an order by making good in transit, and it also protects the pressed and carefully strapped and cases for the customer. Cases head itself. In loading, the beams the smaller the bale, the less freight should have reinforced heads, and should be secured in the cars by the customer must pay on the shipment. Export shipments pay freight on cubic foot measurements and at the present time it figures \$1.00 per cubic foot so you can easily see the saving involved by proper packing. Right here, I might mention the importance of making export yarn right and shipping only good quality yarn, as export customers buy repeat orders based on the kind of be protected. Heavy burlap should yarn shipped them previously; and be used to prevent damage from if the yarn is poorly made or badly put up you will not get the repeat order. It takes a long time for the export customer to get the yarn, and he cannot take chances on getting bad yarn.

Without doubt, the export business in cotton yarn is going to be an important factor in the future, and if the yarn is properly made and the orders properly handled ,it should be very satisfactory business for your mills. Export customers have their own specifications as to putup, quality and packing, and as it is impossible to change their ideas or the yarn. Around the paper a nesses each of paper and burlap, as cial sized bales, which are difficult thickness of burlap fitting close to you will notice that the hook goes for us to make; but the mill which the heads and then entirely over the into the bale at an angle and when prepares for this business will un-

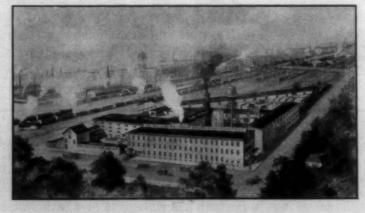
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A Series of Articles By W. C. DODSON, B. E.

3

. 34

SULPHUR COLORS ON RAW STOCK

The only sulphur color employed in the dyeing of hosiery is sulphur black. However, when we come to the gingham and other colored goods mills practically the whole range of sulphur colors is used. Principal among these are: (1) sulphur black, (2) sulphur blue, (3) sulphur brown, (4) sulphur green, (5) sulphur yellow, (6) sulphur maroon and various combinations of these colors. They are dyed on the raw, unspun cotton; on warps; and on piece goods. We will take up the colors in the order set forth above and begin with the *Dyeing of Sulphur Black on Raw Stock*.

Apparatus: Machinery and apparatus used in dyeing sulphur colors should be of wood, iron, nickle or monel-metal. No brass or copper machinery or fitting must be uesd as they are rapidly destroyed by the sulphur compounds present in the bath.

Various forms of machines are used for dyeing raw stock with sulphur colors. Of these, the Klauder-Weldon, made by the Klauder-Weldon Company of Amsterdam, N. Y.; the Vacuum Dyeing Machine, made by the Vacuum Dyeing Machine Company of Chattanooga, Tenn.; the Delahunty Dye Machine, made by the Delahunty Dyeing Machine Company of Pittston, Pa., are all highly satisfactory and generally used.

The Klauder-Weldon and Delahunty machines are very much alike in principal and consist of a perforated iron drum which revolves in the dye bath. The washing is done in the machine shortly after the dyeing is completed.

The Vacuum machine consists of a circular iron tub with a removable perforated bottom on which the cotton is packed. A heavy perforated top is then lowerred on to the cotton and bolted to the machine. The dye liquor is forced into the bottom of the tub and drained off the top by a pump. It is possible to reverse the flow of the liquor and in this way very level dyeings are obtained; however, it is seldom necessary to reverse it.

When the dyeing operation is completed the cotton is usually washed in the machine and then lifted by an overhead air or hand hoist. The cotton, in the form of a giant cheese is then dumped onto the dyehouse floor, hydroextracted, and dried. Sometimes the raw stock is not washed in the machine but is thrown out upon the floor and allowed to oxidize for an hou ror more. It is then washed with a hose, placed in the extractor and hose-washed again and is finally dried. This method of washing is not generally satisfactory as it is nearly impossible to thoroughly cleanse the material.

DRYERS

The modern dryer consists of a box-like enclosure of sheet steel through which passes an apron of steel wire. The apron is in two to three parts and the machines are designated as "two apron" or "three apron." The available space in the dyehouse usually determines which of the two types will be used. However, everything else being equal, the three apron is preferable. The heat is supplied by closed steam coils and large power drive fans cause a circulation of the heated air through the raw stock on the aprons.

The temperature at which the machines will as for second bath.

give the best results will be determined by experiment and by the recommendations of the manufacturer. Too much heat will cause either fires or harsh cotton so the matter of temperature should therefore be carefully adjusted.

DYEING SULPHUR BLACK ON RAW STOCK

Revolving Type Machine: (We will assume that the mill intends keeping a standing bath.)

First Bath. Load the machine with the stock (usually 1,000 pounds).

Now run in fresh water until machine is nearly full, and turn on the steam. Add to the water the amount of soda ash called for in the first bath formula at the end of this section, and boil up bath. Continue at a boil for 30 minutes running the machine all the time. This thoroughly wets out the stock.

While stock is being wet out, dissolve the dye and sulphide in a barrel of boiling water, being sure to get both thoroughly dissolved.

When the wetting out process is completed let the machine continue to run, and pour in dissolved dye by the bucketful.

After all dye is in machine, allow same to run for 20 to 30 minutes and then add the required amount of salt. Continue to run for 45 minutes to one hour at gentle boil.

When dyeing is completed, pump the liquor into the stock tank and run machine for 5 to 10 minutes before turning in fresh water for the first wash.

Rinse for 20 minutes and run back to stock tank enough of the water to make up for that taken out on the cotton (3 to 6 inches should be enough). Run remainder of the first rinse water into the sewer.

Now continue washing in new waters until the stock is clean.

In the last rinse or wash water some dyers add 5% to 10% of common salt, heating bath up to a good warm temperature. This addition of salt seems to leave the goods in better condition for cardina.

Formula for First Bath:

8 to 10% Soda Ash. 15 to 18% Sulphide. 12% Dye.

30 to 35% Salt.

This is on the basis of an 8% standing bath and gives a very heavy shade with any good sulphur black.

Second Bath: After machine is loaded run in stock liquor and boil for 30 minutes in this bath. Now add soda ash, sulphide and dye (previously dissolved) and continue dyeing at a boil. After 30 minutes add the salt directly to the machine and run for 45 minutes to one hour at gentle boil.

When dyeing is completed pump liquor into reserve tank and rinse as in first bath, running back enough of the rinse water to allow for liquor taken out by goods. Continue to rinse until water shows no trace of color.

Formula for Second Bath:

5% Soda Ash. 12% Suphide. 10% Dye.

25% Salt.

Third and Standing Bath: Process is the same as for second bath.

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Champion Chemical Co.

Charlie Nichols, General Manager Asheville, N. C.

REMEDYING DYEHOUSE TROUBLES

Formula for Third and Standing Bath:

2% Soda Ash. Sulphide.

8% Dye.

15% Salt.

All future dyeings are made with the above standing bath formula and process.

Notes: (1) Soda ash may always be added directly to machine without being previously dis-

(2) It is always best to dissolve dye and sulphide before adding to machine.

(3) Care should be used to save all dye liquor possible from first pumping.

(4) The dyed stock should always be washed clean. The last rinsing water should be at a temperature of 100° F. to 120° F. If sulphide is left in the stock there will be danger of fire in the dryers, and danger of weakened fibres during storage. Also, the stock runs much better through the mill when thoroughly clean.

Clark's Directory of Southern Textile Mills

Address of Welcome.

(Continued from Page 16.)

the government has, or gets, must more personal effort. come from you and me. The gov- This Southern Tex ernment, after all, is nothing more is one of the most effective and in-than a body of men whom you and fluential organizations in this coun-I have selected to represent us, who try. It is an organization of doers, are organized under a set of rules, to make laws and carry them out, for guarding our homes and our links between the money invested happiness and our prosperity. These in your plants, in mill buildings, representatives of ours have abso-spindles, looms, tenement houses,

form ourselves into groups, or associations, or unions, and to rely on the strength of the mass to put something over for us, to go on the idea that in unity there is strength. But there is that other old saying, that a chain is no stronger than its weakest link. In any group or asso-ciation, or union, the individual per-

more individual personal responsi- pany, your people and your country. bility, more personal initiation and You have a first handed touch

is one of the most effective and inwith a well defined plan and pur-pose. You men are the connecting links between the money invested them, no money, no power. less than savings; and between the ited, is to establish a cordial, and
There is also a great tendency to people who work in the mills, the sympathetic understanding between people whose energy and labor are necessary to production. The invested money, you and the mill people together are producing something that is a great fundamental, and community and national life.

You men of this association have son, you and I, are these links. a great responsibility, and a wonder-What we need is not more laws, ful opportunity. You have a re-nor more government interference, sponsibilty and an opportunity for

not more group or mass action, but service to yourselves, your com-

You have a first handed touch with your mill people. Your respon-This Southern Textile Association sibility is to try to show your peoledger account, where the balance is on the wrong side and what it will take to put it on the right side. show them their individual personal responsibility toward the situation, and show them how they will profit Mill Stocks Respond to the Advance in sharing the responsibility.

> your people and the mill owner, an understanding of their mutual relationship and interdependence.

The slogan of this meeting shown by your program is BETTER world-wide necessity which will GOODS. Better goods means indi-help balance the ledger of individual vidual responsibility, individual efvidual responsibility, individual effort and initiative. Better goods, and more goods, mean work—work
—work! But it also means more comfort and prosperity for every one, the doffer and the sweeper, the

superintendent and the stockholder the farmer and the merchant.

Again I wish you a happy meeting. May you go home feeling that you have had your spark plugs cleaned, your carburetor adjusted and your tank of energy filled with high grade gasoline, so that the old machine tackles the hills ahead with power and ease

in Prices.

(Gastonia Gazette.)

There has been a marked advance in the prices of mill stocks during the past several days, according to Mr. R. S. Dickson, local dealer in stocks and bonds.

There is not a great increase in the amount of stock changing hands because of the fact that stockholders will not sell their holdings at the price they would have a short time ago. But the number of bids has increased remarkably and the prices offered for stocks has been



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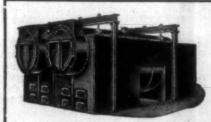
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A PURO COOLER plus a fiftypound cake of ice equals a contented employee.

Let us tell you how the PURO will save you money, or, at least, send you a catalog.

PURO SANITARY DRINKING FOUNTAIN CO.,

Haydenville, Mass.

The Spinning Value of Cotton and How It Can Be Increased.

(Continued from Page 11.)

There were 117,028 mortgage free farms in North Carolina in 1910 as against 102,950 in 1920. The figures for South Carolina were 47,35 as against 42,847. But, although these figures are bad, look at the terrible increase in the amount of mortgage indebtedness-9,958,000 in 1910 against 31.968,000 in 1920 for North Carolina. For South Carolina 10,-109,000 in 1910 as against 25,153,000in 1920. The Georgia increase is much more than either the one for North Carolina or South Carolina. For these three states the mortgage indebtedness increased from 31,000,000 to 94,000,000, or over 200 per cent in a decade. It is true that farm values are reported as having increased about 150 per cent in North and South Carolina, but this cannot be called a profit as it is merely on paper and does not change the terrific situation revealed by the figures quoted above. I am under obliga-tion to Mr. J. W. Bailey of Raleigh for first calling attention to these figures for North Carolina.

Is it not high time for every intelligent and patriotic citizen to wake up to the situation revealed by these census figures! This revelation of the decadence of agriculture in the eastern cotton belt is no surprise to me for I have been studying the economics of the situation for a long time and treated at length certain phases in my address before the World Cotton Conference. If you care to read that address you will find it on page 129 of the Textile World Journal of July 9, 1921. The part of that address which caused most comment was my estimate that, based on 10 cents for cotton, the average tenant family was making a revenue of 11 cents per day for each working member. might not be inopportune to call attention to the fact that at the present time every industry in the United States is paying its labor many times as much as the cotton producing industry. In some industries, notably coal mining and railroading, tremendous increases in wages have threatened to throttle the commercial life of the country by forcing high prices for coal and transportation and yet the poor cotton pro-ducer is forced to live on a pittance insufficient to furnish his with a decent well-balanced ration

Let me say that I believe that the cure for this whole situation lies in the universal education of our people and especially in education for better methods of culture and fertilization of their crops with higher money value. The fruition of this educational work, however, must largely depend upon the attitude of the men who control the cotton manufacturing industry and par-ticularly upon the mill superintendent. If you insist on cotton of the best character and uniformity of staple your treasurer will give it to you and his patronage of the man prove the character and quality of the product of his district.

The teaching of the theories of improved agriculture will do little good unless accompanied by practical demonstration. By practical demonstration I mean the operation of commercial farms where the rank and file of the farmers see with their own eyes that these theories are practical in operation and pay dividends. We have, I think, such farms in operation at Hartsville. Upon them are not only numerous demonstrations of plant breeding and variety and fertilizer testing but there are many fields of staple cotton, now worth 70 to 100 per cent premium over short cotton, which are about as fine as were ever grown in that section, although the average yield of our county (Darlington) has been cut approximately two-thirds by wet weather, boll weevil and other causes. This striking illustration of the value of superior pedigreed varieties, of scientific farm manage-ment and correct methods of weevil control will do much to solve the most pressing agricultural problems

Let us all adopt a sympathetic and understanding attitude toward agriculture and irrespective of our immediate personal interest do all we can to support and encourage general education and the introduction of methods which will improve farm profits until they reach a figure that will allow our farmers and farm laborers a sufficient income to live in reasonable comfort.

of our section.

Cotton Yarn Defects.

(Continued from Page 39)

what these customers want and then following their instructions, and it hoped that American will do likewise. Export specifica-tions, at the first glance, appear difficult but with the proper equipment and the proper interest taken by the mill man in making same, there is very little trouble in doing so.

I appreciate very much the opportunity of this talk with you as I realize the immense importance of your organization and the good results which cannot help but obtain from a meeting such as this. It is a great thing to get together and know that different men in the same line of work have discussed various business problems arising and keep in touch with the new ideas which are being brought forward. Cotton has advanced and general business conditions are improved so that each of you should feel much encouraged over the prospects for future business and a good margin of profit for your mill.

Southern Mills Use More Help.

Richmond, Va.—The 310 mill's in Virginia, North Carolina, South Carolina and Georgia report from July 15 to August 15 an increase of 2,871 employes re-engaged, according to statistics sent to Ralph Izard, district director of the United Stats Employment Bureau. textile mills in Virginia report 10,who is furnishing the best cotton 410 employed, an increase for the will encourage greater efforts to im- month of 392. Coal mining in the State shows a decrease in employment.

Reorganize Dye Industry for Export stuff business. It is a question Trade.

A reorganization of the United dustries in the world's market was advocated by Dr. J. Merritt Mat-thews, editor of the Color Trade Journal, before the Division of Dye Chemistry of the American Chemical Society in session in New York.
Dr. Matthews said that the mar-

ket for dyestuffs in America absorbs only about 12 per cent of the world's dyestuff production.

"If proper and regulatory meas- feature. ures are adopted by Congress for his "Ther market may be at the disposal of the American dyestuffs manufacturer. It is not reasonable to suppose, however, that unusual forms of protection and regulation will be extended to the dye industry for more than a few years at the utmost; consequently the time will soon come when, even in the domestic trade, the American manufacturer will have to face competition under conditions that are more or less normal to the flow of international trade.

"There are, at the present time, many factors detrimental to the export of American dyes. Quite outside the fact that business in these we have to contend against the high cost of transportation and the great difference in the exchange rate. Beyond these financial difficulties, however, are those of a commercial nature. Only a few of our dyestuff up a really effective business in for-companies have any kind of foreign eign countries. branch houses to handle and develop their business. A small dyestuff company cannot afford to maintain any kind of foreign representation; they have to depend on general commercial houses acting as importing agents, and these, as a rule, are not equipped to properly handle a com-plicated dyestuff business, especially under conditions of keen and active competition.

"It would seem, therefore, that outside of the large companies it wouldl be necessary to handle any export trade in dyestuffs from this country through a consolidated exhandle the development of a dye- generally stable market.

whether such an organization could properly meet the situation of such a complicated business; they could States dye industry so that it can not be expected to push one com-compete with foreign dyestuff in- pany's products as against another pany's products as against another and consequently would have to maintain a rather neutral attitude in the market, and such an attitude would not be conducive to getting results as far as the introduction of dyestuffs is concerned. Again it is a question if such a company could properly run a service department in the countries in question, and this is a very important

"There have been other lines of in 'smouther 'In ponution "big industry which have formed associ-may be expected, for a few years at ations for handling an export trade least, that the bulk of the domestic in their products, and we underations for handling an export trade in their products, and we understand that our present Secretary of Commerce, Mr. Hoover, is a great believer in this method of going out into the world market. There have been suggestions put out from various sources that this system should be tried by the American dyestuff manufacturers, but the dyestuff business is so far different from most other lines of business that it is doubtful if a really successful scheme of export organization could be drawn up. It is a well known fact that some of the larger dyestuff firms are strongly opposed to entering any such organization, believing that they must maintain the indiviforeign countries is at a low ebb the duality and identity in the mainte-same as it is in our own country, nance of their own export branches. Any such organization would therefore be limited to a number of relatively small dyestuff concerns and it is doubtful if these would have the line of products necessary to build

"If the American manufacturer rests content with the limited domestic market and does not make any effort to secure his proper proportion of the larger world trade in dyestuffs, the manufacturers in Germany and Switzerland will surely have a distinct advantage in that they will have at least six times as extensive a market, and this will furnish them with six times the power for research and development, six times less the burden of overhead expense, to say nothing of the advantages of being able to put out a much wider range of products port house which could effectively and the possession of a much more THE GREATEST IMPROVEMENT MADE IN COT-TON SPINNING IN QUARTER OF A CENTURY

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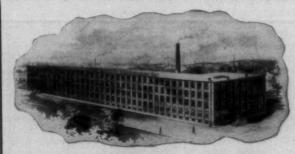
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Cotton Goods

New York.—Rising prices contintion. Some few commission houses ued the rule during the first half of handling brown cottons have decid-this week. Merchants were inclined ed to offer a basis of 11½ cents a to pay the advances very slowly, buying, as a rule, just what they have to have. There is a wide di-vergence of opinion among merdifference is due mainly to the varying opinions expressed as to the permanency of higher cotton prices. This uncertainty is bothering a great many buyers, and is naturally limiting their operations.

Trading in the cloth market was claiming at the new prices, there is a lack of business in finished goods at prices in keeping with those on unconverted goods. The market is anxious to arrive at a definite trading basis, but can hardly do of the week. so at the prevailing fluctuations in the cotton markets.

There was some business in 64x60, 5.35 yard, Southern, in second hands, at 8% cents, with first hands quoting 9 cents. However, at 8% cents, there were not many takers.

hand market one-half cent higher at 101/2 cents.

A few 80 squares, 4.00 yard, Southern, sold at 13% cents. For 96x92, 5.25 yard, 17 cents has been paid; and 14 cents for 80x88, 5.00 yard.

Bids of 51/4 cents for 27-inch, 9.00 yard, were declined in Fall River. For 27-inch, 9.50 yard, 5 cents was quoted in the East.

Southern 27-inch, 64x60, 7.60 yard, sold at 6 cents. Southern 44x40, 8.20 as follows: yard sold at 5% cents. There were Print cloths reports of 48 squares, 7.15 yard, in Print cloths second hands, at 61/2 cents.

Prices on sheeting in first hands are gradually reaching a general higher level. On Thursday the asking price on 6.15 was 7 cents net, on 5.50 goods, 7% cents. For 36-inch, 5.00 yard, 8% cents, net, was heard with constant with constant and the statements. quoted, with several holding for 81/2 cents, net. For branded, 56x60, 4.00 yard, the quotations range from 11 to 111/2 cents, with terms. Unbrandwere quoted at 101/2 to 10% ed were quoted at 1072 to cents, net, and higher, with fair quality in second hands heard at 10 No New Bedford Mill Has Passed Dividend. at 91/2 and 9% cents, net, during the day. There was also business in 37-inch, 48 squares, 4.00 yard, in second hands, for November-December, at 9% cents, net, with the first hand market at 10 cents, net.

For 4.70 yard, unbranded, 9 cents, net, is quoted—and higher. Some 32 inch, 40 squares, 6.25 yard, sold at 6½ cents, net, in a limited way of the conservative management First hands quote 1 2cents, net, and a whole of these corporations. higher on 36-inch, 3.00 yard; with "A revival of trade seems to have some second hand goods at 11 cents, started," the letter continues, "in-

yard for 4-yard, 56x60 sheetings for any stock goods or goods coming to hand in the immediate future. One house would consider 19 cents for a chants as to the wise course to pur- bleached cotton that had been sell-sue under present conditions. This ing at 17 cents, but this was a very limited offer. One Southern house would consider 24 cents for 8-ounce staple tickings. Another would submit 181/2 cents for 2.20 denims. These prices were more or less unfirm, but they serve to show the certainty of very sharp advances following the light and irregular during the first rise of 8 cents a pound on cotton. three days of the week. Large con-Several cotton yarn spinners now verters and printers are still balking refuse to quote on the ground that refuse to quote on the ground that they are unable to say with accuracy what their cotton will cost. They may know more when speculation subsides, or they may decide to make a move toward the middle

The jobbers are doing a steady business in moderate quantities at prices barely 20 per cent above the low figures. They are trading on goods in hand or on commitment and are disinclined to let retailers buy anything for long future deliv-In 68x72s, 4.75 yard, second hands ery which they do not actually own. sold goods at 10 cents, with the first The retailers are showing more confidence in nearly all departments to the extent of placing small orders with much less hesitation. In some instances they are willing to buy with considerable freedom, but that is not a general condition. The local jobbers, as a whole, find that business is keeping up well and showing gains in some departments that were stagnant a week or two ago.

Prices on Thursday were quoted

61/2
61/4
6
91/2
101/4
131/2
12.
111/4
13
28
18
141/4
a201/2
11

Commenting on the fact that not a single listed cotton mill in New Bedford, Mass., has passed its divi-dend, Sanford and Kelley, of that city, say in their market letter:

"This is unquestioned evidence not only of the soundness of the fine goods textile industry, but also of the conservative management as

net, heard. For 36-inch, 64x68, 3.50 duced by the present low costs of yard, 12½ cents, net, and higher is materials and labor, better supply of quoted in first hands. quoted in first hands.

Cotton goods merchants were still supply of goods in jobbers' and revery much at sea on the price questailers' hands."

The Yarn Market

Philadelphia, Pa.-Cotton were again sharply advanced dur-ing the first half of the week. Manufacturers and dealers stated that the mills were unable to buy cotton at anything like the price prevailing of the exchanges and they refused to sell yarns at the prices bid by merchants. Southern carded yarns were marked up sharply and mills held them firmly at the new prices.

The volume of business put through until Thursday was not large, but spinners were not inclined to lower prices because there was no brisk demand. They are still confident that buyers will come to the higher prices.

An encouraging feature was the broadening demand from makers of tire fabrics. They use in the main 22s-5, and inquiries have been seeking carded yarns rather freely, although spinners of combed yarns also reported a larger inquiry for this class of users.

The loss of trade that has resulted from the unsettled conditions in the market is generally regarded as being temporary. It is believed that while it is very hard to do business, under existing conditions that the market will become much more stabilized within a short time and that a basis for steady business will soon be established. Quotations show that since the rise started, Southern carded single and two-ply skeins have moved up from 12 to 17 cents a pound, warps are up from 15 to 30 cents and Southern two-ply combed peeler skeins have advanced 8 to 10 cents in the same period.

Quotations on Thursday were as

CONTRACTOR OF THE PERSON NAMED IN CONTRA	AND DESCRIPTION OF THE PERSON NAMED IN			
Southern Ty			Warps,	Étc.
6s to 10s_33	0		26839	@41
12s to 14s_35	0	2-ply	30s41	0
2-ply 16s_35	@	2-ply	40s61	0
2-ply 20s_37	@38	2-ply	50865	71
2-ply 24s_39	0-	Service .		
Sout	nern 2	.Ply S	kelns.	
6s to 10s_32	6	36s	50	0
10s to 12s_33	0	408	59	@61
14833	0	50s	71	@
16834	0	60s	78	0
20s36	0	U	pholster	y
24838	0		Yarns-	
26839	0 8	8. 4 & 5	-ply_24	@
30840	@41		1000	
	Duck	Yarns.		
3, 4 & 5-ply	skeins	- 3, 4	& 6-uly	skeins
8834			34	0
40 04	-	00-	0.0	(C) 0.0

	88	34	0	168	34	0
	10s	34	0	20s	36	@37
	8	outhern	Singl	e Chain	Warp	3.
	6s to	128_33	0	248		@38
	148	34	@	26s		_@39
	16s	35	0-	30s		_@40
	208	36	@	408	56	@
	228	87	0			
		South	ern S	ingle Sk	eins.	
ï	6s to	8832	@	20s	36	@
	108	33	@	228	364	60
	128	323/	@	248	36	@
	148	34	@	268	39	@
	168	. 34	60	30s	40	6

168	34	0	30s	40	@
				Cones.	
88	34	0	228	37	@
108	35	0	248	39	@41
128	35	@36	26s_	40	@42
148	36	0	30s	39	@41
16s	36	1400-	30 es	ctra41	@43
188	36	140	40s_		_@51
208	36	0			
80	uthern	Combe	d Peels	r Skeins,	Etc.
2-ply	30s57	@	2-ply	60896	@
2-ply	40s76	@	2-pl	y 80s 1.1	101.
2-ply	50s91	@			

Z-DIA 308-731				
Con	nbed F	Peeler Cone	es.	
108473	40	288	56	@
12848				
148481	40	328	66	@
16849	@	348	68	@
18850	0	36s	68	@
20851	@	408	69	@
22851	@	50s	78	@
24s53	@	608	92	@
26s54				

		Sk	eins.		
20s.	2-ply_39	@	30s.	2-ply_48	@
228.	2-ply41	@	40s.	2-ply_56	@
	2-ply45	@	45s.	2-ply_58	@
26s.	2-ply46	@			
	East	ern C	arded	Cones.	

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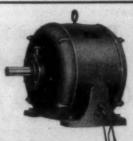
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 WANT position as superintendent or
 overseer of large spinning room. Can
 furnish reference as to character and
 ability or demonstrate same. Address
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- WANT postion as master mechanic in medium size mil. Have had number years experience in steam plant and machine shops. Now employed as master mechanic and can furnish reference. Prefer Georgia or Alabama. Address No. 3173.
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- WANT position as overseer of weaving in good mill in North or South Carolina or Georgia. Experienced in plain and fancy work. Good reference. Address No. 3182.
- WANT position as overseer of spinning in North Carolina or Virginia; 38 years old and long experience in mill. Can come at once. Address No. 3183.
- WANT position as overseer of weaving; 16 years as overseer and second hand; 28 years in mill. Experience o nplain or fancy loom. Will take job in Georgia or Alabama. Can furnish A 1 reference. Address No. 3184.
- WANT position as overseer of weaving.
 Long and varied experience. Have held
 position in large sheeting mill for some
 time, but mill is now closed. Will go
 anywhere. Address No. 3185.
- WANT position as overseer of carding

- and spinning or superintendent of small mill; 30 years of age; married and have family; considered a hustler. Have no bad habits. Al reference. Address No.
- WANT position as superintendent of small yarn mil lor overseer of carding and spinning or either in a large mill. Ref-erence if required. Address No. 3187.
- WANT position as overseer of carding of spinning or bth or superintendent of small yarn mill. Will go anywhere for good job. Can handle any size job Good character. Address No. 3188.
- WANT position as superintendent of yarn mill. Prefer one on fine or combed yarns. Best of reference and experience from large mills. Address No. 3189.
- WANT position as overseer of large spin-ning room. Long experience on wide range of yarns. Good references as to character and ability. Address No. 3190
- WANT position as general manager or superintendent of large yarn or cloth mill; years of experience. Can furnish best of reference from leading cotton manufacturers. Address No. 3191.
- WANT position as overcseer of weaving; 15 years experience and can furnish reference. Address No. 3192.
- WANT position as roller coverer. Now employed but wish to make change Age 32, married, 10 years experience Reference. Address No. 3193.
- WANT position as superintendent or over-seer of carding or spinning in large mill. Now employed but have good reasons for changing. Address No. 3194.
- WANT position as overseer of carding. Age 44, 20 years experience. Under-stand combed work. Would like to lo-cate in North Carolina, but would go leswhere. Address No. 3195.
- WANT position as engineer and master mechanic in good mill. Would prefer job in South Carolina or Georgia. Long experience and good reference. Address No. 3196.
- WANT position as superintendent overseer of carding and spinning large cotton mill. Can give best r erence as to character and ability. dress No. 3197.
- WANT position as overseer of carding and spinning in small mill or carding in large mill, or superintendent of small yarn mill; 25 years experience as overseer of carding, spinning, winding and twisting. Well qualified and can furnish reference. Address No. 3198.
- WANT position as bookkeeper and office manager or general office work in cot-ton mill office; 25 years old and can furnish good reference. Address No. 3199.
- WANT position in cotton mill office; 12 years experience in this kind of work and for some time have been secretary an dtreasurer of lorge mill. Do cost accounting and general office work. Address No. 3200.
- WANT position as overseer of weaving and slashing in large mill, either white or colored work. Prefer Draper looms. Ten years experience as overseer. Ad-dress No. 3201.
- WANT position as master mechanic or engineer. Experienced with steam and electric power. Married and have had eight years experience. Address No. 3202.
- VANT position as superintendent. Thoroughly capable to handle any medium-sized mill and record has been without reproach. Can furnish references from all former employers as to ability and character. Address No. 3203. WANT
- WANT position as stenographer, book-keeper and pay roll clerk for large cotton mill. Experienced. Address No. 3204.
- VANT position as superintendent of larn or weaving mill. Experienced and can furnish best o freference. Address No. 3205.
- WANT position as superintendent of a large weaving or yarn mill. Long and successful experience as superintendent and am seeking position which would mean promotion. Address No. 3206.
- WANT position as overseer of weave room. Ten years' experience. Now em-ployed and giving satisfaction, but want larger room. Address No. 3207.

- WANT position as overseer of carding in large mill or overseer of carding and spinning in medium size mill. Best of references. Address No. 3298.
- WANT position as superintendent of good mill on white or colored work, plain or fancy. Experienced on all kinds of work and have handled two or three good jobs with satisfaction. Address No. 3209.
- WANT position as superintendent of yarn or weaving mill. Long experience and can furnish reference as to character and ability. Address No. 3210.
- VANT position as overseer of carding or spinning in large mill. Long ex-perience in all lines of work and can produce satisfactory results. Address No. 3211.
- WANT position as overseer of carding or spinning or both or superintendent of yarn mill. Will go go anywhere. Twenty years practical experience in mill and a graduate of two textile schools. Address No. 3212.
- WANT position as superintendent of 10,-000-spindle mill on warp or hosiery yarn, white or colored. Prefer mill equipped to spin variety numbers—from 8's to 30's. Married, age 42, thirty years' in mill and can make what the trade wants. Would consider overseer of carding and spinning in large mill. Address No. 3213.
- WANT position as overseer of large weave room as assistant superintendent, or superintendent of small damask mill. Ten years' experience, seven as over-seer; graduate of N. C. Textile School. Address No. 3214.
- WANT position as superintendent of weaving mill or overseer of large weave room. Now employed but want to change on account of location. Long experience and can furnish reference as to character and ability. Address No. 3215.
- WANT position as superintendent of small mill on plain weaving or yarn, or overseer of carding and spinning. Am 38 years of age; married; 12 years' experience as overseer, three years as superintendent. Good reason for changing. Address No. 3216.
- WANT position as overseer of carding or spinning or both in large mill or super-intendent of small mill. Several years of successful experience and a wide range of work. Reference. Address No. 3217.
- WANT position as overseer of carding in mill often to forty thousand sp'indles. mill often to forty thousand sp'indles. Prefer coarse or medium numbers. Now employed as second hand in large mill. Thirty-three years of age; married, and can furnish good reference from present employer. Address No 3218.
- WANT position as supernitendent or overseer of carding and spinning in large yarn or weaving mill on white goods. Best of reference as to charac-ter an dability. Address No. 3219.
- WANT position as superintendent or overseer of spinning in large mill. Now employed and giving satisfaction but don't like location; 41 years old; married; 18 years' experience as superintendent and overseer. Can handle any size job. Address No. 3220.
- wall position as overseer of weaving on white or colored goods. Many years experience and reference as to chatter and ability. Address No. 3221.
- WANT position as overseer of weaving in good mill. At present employed but have good reasons for changing. Age 40, married, with small family. Can furnish best of reference. Address No. 3222.
- WANT position as overseer of large card room or carding and spinning. Can fur-nish best of references and get results. Address No. 3223.
- WANT position as overseer of spinning in large mill. Employed at present but want larger job. Can furnish reference as to character and ability. Address No. 3224.
- NT position as superintendent of mall mill or overseer of spinning it urge mill. Long and successful expa-ence and can furnish good refereive.

- Experienced on white and colored work on all numbers. Address No. 3225.
- WANT position as superintendent of good hosiery yarn mill. Can furnish reference from some of best mill men in South. Address No. 3226.
- WANT position as overseer of carding or spinning in large mill or both in small mill. Address No. 3227.
- WANT position as superintendent of small yarn mill. Now employed but have good reasons for making change. References if wanted. Address No. 3228.
- WANT position as superintendent. Have had many years' experience and can give satisfaction on either large or small job. Satisfactory references from past and present employers. Address No. 3233.
- WANT position as superintendent of yarn mill, or would take place as overseer of carding or carding and spinning. Now employed as superintendent of combed yarn mill. Have been superintendent and overseer for long term of years; have been with present company for 10 years. Age 36. Good references. Address No. 3234.
- WANT position as superintendent or salesman for textile supply house, or office position with mill company. Am textile graduate and have had long and varied experience in mill work. Can come on short notice. Address No. 3235.
- WANT position as superintendent, preferably in colored goods mill. Have been superintendent for many years, and have run colored mills on almost every class of goods made in the South. Successfully operated one mill on sheetings for three years and am especially experienced on ginghams and outings. Address No. 3236.
- WANT position as overseer of cloth room, large or small; am 44 years old; 25 years' experience. Good references. Long experience in clerical work and would consider clerical position. Address No. 3237.
- WANT position as overseer of weaving Long experience and am capable of get-ting good results. Best of references Address No. 3238.
- WANT position as superintendent. Am experienced and can handle white or colored work, hosiery or underwear yarns, cone and tube winding, plain weaving. Have been superintendent in some of the most successful mills in the South. Can get quality and quantity production. Excellent references. Address No. 3239.
- WANT position as overseer of weaving. Now employed but have good reason for changing. Can handle large or sma'l iob and have had many years' ex-perience on a wide variety of goods. Good references. Address No. 3240.
- WANT position as overseer of carding in large mill. Thirty-nine years old. Have had 13 years' experience as overseer, eight years as fixer, grinder and second hand. Experienced on white or colored work. Good references. Address No. 3241.
- WANT position as overseer of weaving. Now employed on large job, but have satisfactory reasons for wishing to change. Many years' experience on various fabrics. Can furnish satisfactory references as to character and ability. Address No. 3242.
- WAN'T position as overseer of carding or spinning, or superintendent of small mill. High grade man who can get ex-cellent results. Now employed, but wishing larger position. Best of refer-ences as to character and ability. Ad-dress No. 3243,
- WANT position as master mechanic. Have held similar positions with some of the largest mills in South Carolina. Thoroughly experienced in engine, boiler and shop work. Have handled this work for 20 years. Am an A-1 mechanic and can give fine references. Address No. 3244.
- VANT position as overseer of weave or yarn mill. Am especially qualified for job on ducks and yarns. Experienced also on sheeting and bag goods. Prefer Georgia, Alabama, North or South Carolina. Satisfactory references. Address Na. 3245.

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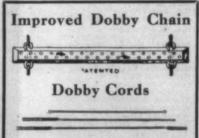
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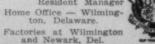
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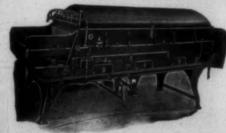
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